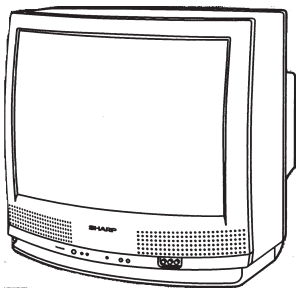
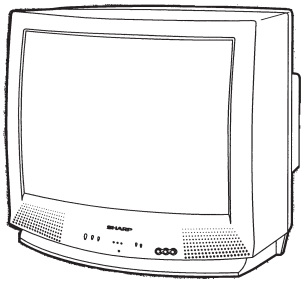
SHARP SERVICE MANUAL

S18K827K-S100



27K-S100/180
CK27S10/18



27K-S300/400
CK27S30/40

COLOR TELEVISION

Chassis No. SN-81

MODELS 27K-S100/180/300/400 CK27S10/18/30/40

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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ELECTRICAL SPECIFICATIONS

POWER INPUT ..... 120 V AC 60 Hz

POWER RATING

- 27K-S100/180/300, CK27S10/18/30 ..... 126 W
- 27K-S400, CK27S40 ..... 130 W

PICTURE SIZE ..... 2,187cm^2 (339sq inch)

CONVERGENCE ..... Magnetic

SWEEP DEFLECTION ..... Magnetic

FOCUS ..... Hi-Bi-Potential Electrostatic

INTERMEDIATE FREQUENCIES

- Picture IF Carrier Frequency ..... 45.75 MHz
- Sound IF Carrier Frequency ..... 41.25 MHz
- Color Sub-Carrier Frequency ..... 42.17 MHz (Nominal)

AUDIO POWER

- OUTPUT RATING ..... 1.3W + 1.3W (at 10% distortion and Dual CH Operate)

SPEAKER

- SIZE ..... 8 cm (Round)
- VOICE COIL IMPEDANCE ..... 8 ohm at 400 Hz

ANTENNA INPUT IMPEDANCE

- VHF/UHF ..... 75 ohm Unbalanced

TUNING RANGES

- VHF-Channels ..... 2 thru 13
- UHF-Channels ..... 14 thru 69
- CATV Channels ..... 1 thru 125 (EIA, Channel Plan U.S.A.)

Specifications are subject to change without prior notice.

SHARP CORPORATION

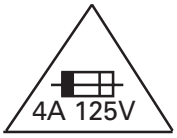
This document has been published to be used for after sales service only.
The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the +B voltage regulator circuit and the horizontal output circuit. The isolated ground system is for the low +B DC voltages and the secondary circuit of the high voltage transformer.
   To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE, REPLACE ONLY WITH SAME TYPE 4A-125V FUSE.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.
   It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter.
   The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value –no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a colour chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
   Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

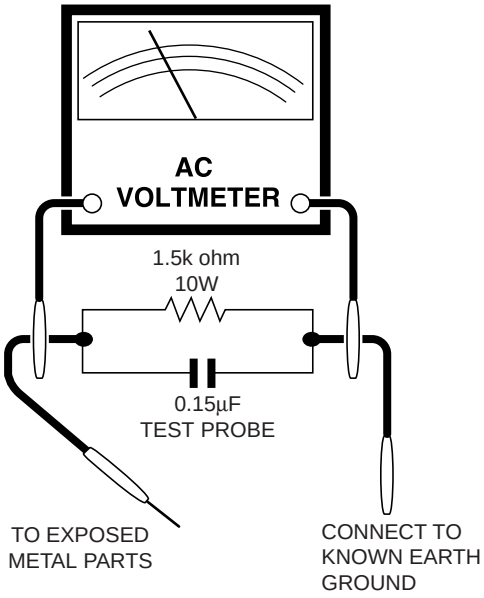
BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  AII checks must be repeated with the AC ine cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)
  Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

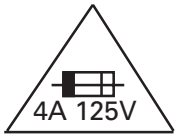
For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ **Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.**

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.
3. Les déversoirs thermiques à semi-conducteurs peuvent présenter un danger de choc électrique lorsque le réceqteur est en marche.
4. Le châssis de ce récepteur possède deux systèmes de masse qui sont séparées par du matériel d'isolation. Le système de masse non-isolée (sous tension) est pour le circuit du régulateur de tension + B et le circuit de sortie horizontale. Le système de masse isolée est pour les tensions DC + B basses et le circuit secondaire du transformateur haute tension. Pour éviter tout risque d'électrocution lors de l'entretien de ce châssis, utiliser un transformateur d'isolation entre le cordon de ligne et la prise de courant.



PRECAUTION: POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE PAR UN FUSIBLE DE MEME TYPE 4A-125V.

REPARATION DU SYSTEME A HAUTE TENSION ET DU TUBE-IMAGE

Lors de la réparation de ce systéme, supprimer la charge statique en branchant une résistance de 10 kΩ en série avec un fil isolé (comme une sonde d'essai) entre la mise à la terre du tube-image et le fil d'anodel. (Le corden d'alimentation doit être retiré de la prise murale.)

1. Le tube image dans ce récepteur emploie une protection intégrée contre l'implosion.
2. Par mesure de sécurité, changer le tube-image pour un tube du même numéro de type.
3. Ne pas lever le tube-image par son col.
4. Ne manipuler le tube-image qu'en porant des lunettes incassables et qu'après avoir déchargé totalement la haute tension.

LIMITES DES RADIATIONS X ET DE LA HAUTE TENSION

1. Tout le personnel réparateur doit être instruit des instructions et procédés relatifs aux radiations X.
   Le tube-image, seule source de rayons X dons les téleviseurs transistorisés, n'émet pourtant pas de rayons mesurables si la haute tension est maintenue à un niveau préconisé dans la section "Vérification de la haute tension".
   C'est seulement quand la haute tension est excessive que les rayons X peuvent entrer dans l'enveloppe du tube-image y compris le conducteur de verre. Il est important de maintenir la haute tension en-dessous du niveau spécifié.
2. Il est essentiel que le réparateur ait sous la main un voltmètre à haute tension qui doit être périodiquement étalonné.
3. La haute tension doit toujours être maintenue à la valeur de régime -et pas plus haute. L'opération à des tensions plus élevées peut entraîner une panne du tube-image ou du circuit à haute tension et, dans certaines conditions, peut entraîner une radiation dépassant les niveaux préscrits.
4. Quand le régulateur à haute tension fonctionne correctement, il n'y a aucun problème de radiation X. Chaque fois qu'un châssis couleurs est réparé, la luminosité doit être examinée bout en contrôlant la haute tension à l'aide d'un voltmètre pour s'assurer que la haute tension ne dépasse pas la valeur spécifiée et qu'elle soit correctement réglée.
5. Ne pas utiliser un tube-image autre que celui spécifié et ne pas effectuer de modifications déconseillées du circuit à haute tension.
6. Lors de la recherche des pannes et des mesures d'essai sur un récepteur qui présente une haute tension excessive, éviter de s'approcher inutilement du récepteur.
   Ne pas faire fonctionner le récepteur plus longtemps que nécessaire pour localiser la cause de la tension excessive.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

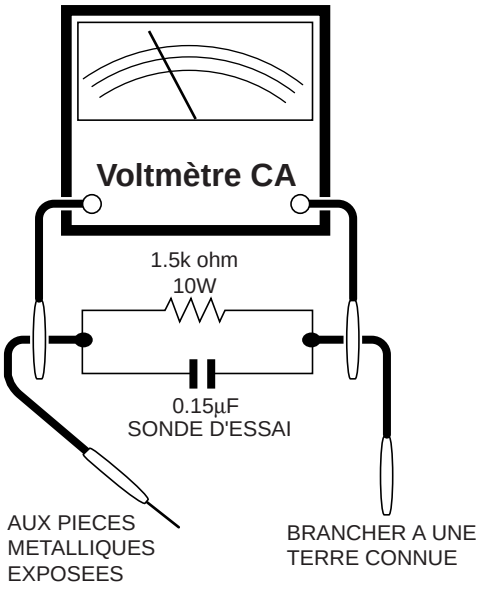
(Suite)

VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la facon suivante:

- Brancher le cordon d'alimentation directem-ent à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
- A l'aide de deux fils à pinces, brancher une résistance de 1,5 kΩ 10 watts en parallèle avec un condensateur de 0,15µF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)
  Tous les courants mesurés ne doivent pas dépasser 0,5 mA.
  Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.

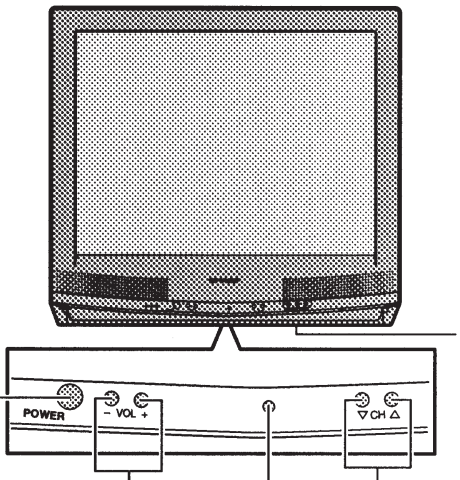


AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.
Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.
Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

LOCATION OF USER'S CONTROL
(27K-S100, CK27S10)

Front Panel



POWER
Press → On.
Press again → Off.

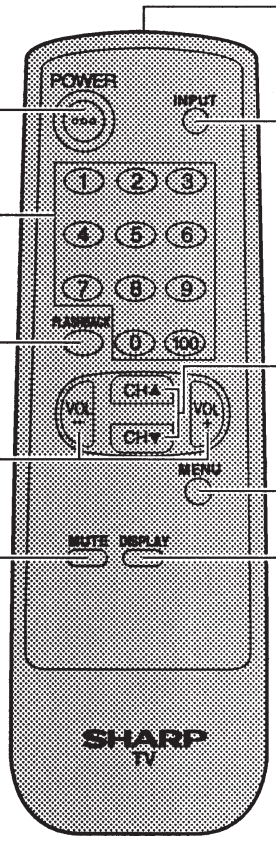
VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.

SENSOR AREA FOR REMOTE CONTROL

VIDEO/AUDIO IN 2 TERMINALS
(VIDEO/AUDIO terminals are also provided on the rear.)

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.

Basic Remote Control Functions



Infrared Transmitter Window

POWER
Press → On.
Press again → Off.

REMOTE KEYPAD
Accesses any channel from keypad.

FLASHBACK
Returns to previous channel.

VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

MUTE
Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

INPUT
Press → Switch to external video INPUT 1 mode.
Press again → Switch to external video INPUT 2 mode.
Press 3 times → Switch back to the original TV mode.

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.
• Moves the " ⬍ " mark of the MENU screen.

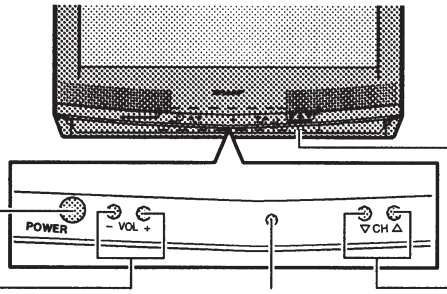
MENU
Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

DISPLAY
Press → Displays receiving channel for 4 seconds.
Press again → Removes display.
• Temporarily displays receiving channel when in Closed Caption mode.

LOCATION OF USER'S CONTROL(Continued)

(27K-S180, CK27S18)

Front Panel



POWER
Press → On.
Press again → Off.

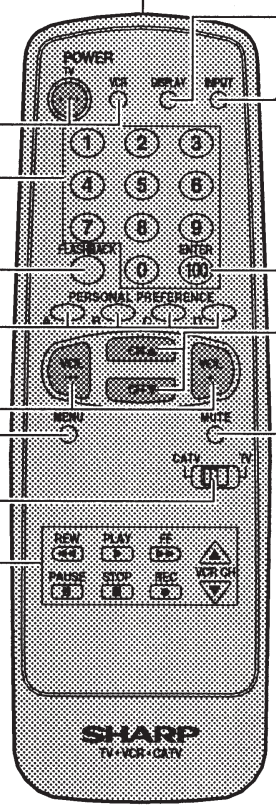
VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.

SENSOR AREA FOR REMOTE CONTROL

VIDEO/AUDIO IN 2 TERMINALS
(VIDEO/AUDIO terminals are also provided on the rear.)

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.

Basic Remote Control Functions



POWER
Press → On.
Press again → Off.

REMOTE KEYPAD
Accesses any channel from keypad.

FLASHBACK
Returns to previous channel.

PERSONAL PREFERENCE
With the Personal Preference buttons, you can program your favorite programs by using the 4 categories A, B, C and D. The channels can be accessed quickly by using these buttons.

VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.
- In menu mode, changes or selects the TV adjustments.

MENU
Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

TV-CATV MODE SELECT SWITCH
In TV position, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV.
In CATV position, sends power and channel select commands to a cable TV converter.

VCR CONTROL

Infrared Transmitter Window

DISPLAY
Press → Displays receiving channel for 4 seconds.
Press again → Removes display.
- Temporarily displays receiving channel when in Closed Caption mode.

INPUT
Press → Switch to external video INPUT 1 mode.
Press again → Switch to external video INPUT 2 mode.
Press 3 times → Switch back to the original TV mode.

ENTER
Used in some instances where a VCR or Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button.

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.
- Moves the " ⬍ " mark of the MENU screens.

MUTE
Press → Mutes sound.
Press again → Restores sound.
- CLOSED CAPTION appears when sound is muted.

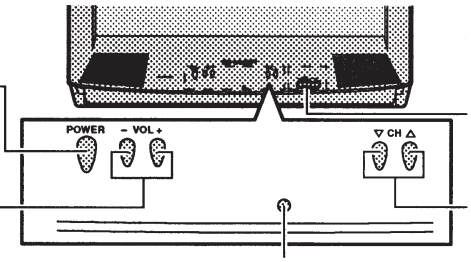
Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

LOCATION OF USER'S CONTROL(Continued)

(27K-S300/400, CK27S30/40)

Front Panel



POWER
Press → On.
Press again → Off.

VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.

VIDEO/AUDIO IN 2 TERMINALS
(VIDEO/AUDIO terminals are also provided on the rear.)

CHANNEL UP/DOWN
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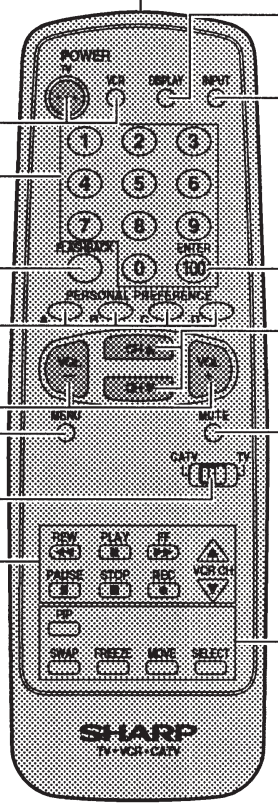
SENSOR AREA FOR REMOTE CONTROL

Basic Remote Control Functions



POWER
Press → On.
Press again → Off.

REMOTE KEYPAD
Accesses any channel from keypad.

FLASHBACK
Returns to previous channel.

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In TV position, sends power and channel select commands (Channel up/down and Random Access buttons) to the TV.
In CATV position, sends power and channel select commands to a cable TV converter.

VCR CONTROL

Infrared Transmitter Window

DISPLAY
Press → Displays receiving channel for 4 seconds.
Press again → Removes display.
• Temporarily displays receiving channel when in Closed Caption mode.

INPUT
Press → Switch to external video INPUT 1 mode.
Press again → Switch to external video INPUT 2 mode.
Press 3 times → Switch back to the original TV mode.

ENTER
Used in some instances where a VCR or Cable Converter Box requires an "enter" command after selecting channels, when using the REMOTE KEYPAD button.

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.
• Moves the " ◆ " mark of the MENU screens.

MUTE
Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

PIP FUNCTION
With the VIDEO inputs, you can watch two pictures at the same time.

Note:

- The above shaded buttons on the Remote Control glow in the dark. To use the glow-in-the-dark display on the remote control, place it under a fluorescent light or other lighting.
- The phosphorescent material contains no radioactive or toxic material, so it is safe to use.
- The degree of illumination will vary depending on the strength of lighting used.
- The degree of illumination will decrease with time and depending on the temperature.
- The time needed to charge the phosphorescent display will vary depending on the surrounding lighting.
- Sunlight and fluorescent lighting are the most effective when charging the display.

INSTALLATION AND SERVICE INSTRUCTIONS

Note: (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, +B system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1) Apply 120V AC using a variac transformer for accurate input voltage.
2) Allow for warm up and adjust all customer controls for normal picture and sound.
3) Receive a good local channel.
4) Connect a digital voltmeter to TP653 and make sure that the voltmeter reads 11.4V ±0.7V.
5) Apply external 13.8V DC at TP653 by using an external DC supply, TV must be shut off.
6) To reset the protector, unplug the AC cord and make a short circuit between TP651 and TP652. Now make sure that normal picture appears on the screen.
7) If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "S19" and Bus data "01" (Y-mute on).
4. The voltage should be approximately, 28.1kV (at zero beam).
   If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "S01" to "P07" (27K-S300/400/CK27S30/40)/"S01" to "M05" (27K-S100/180/CK27S10/18). Select the item you wish to adjust.

3. Data number selection

Press the Vol-up or down button to adjust the data number.

To enter the service mode and exit service mode.

While pressing the Vol-up and Ch-up buttons at the sametime, plug the AC cord into a wall socket.
Now the TV set is switched on and enters the service mode.
To exit the service mode, turn the television off by pressing the power button.

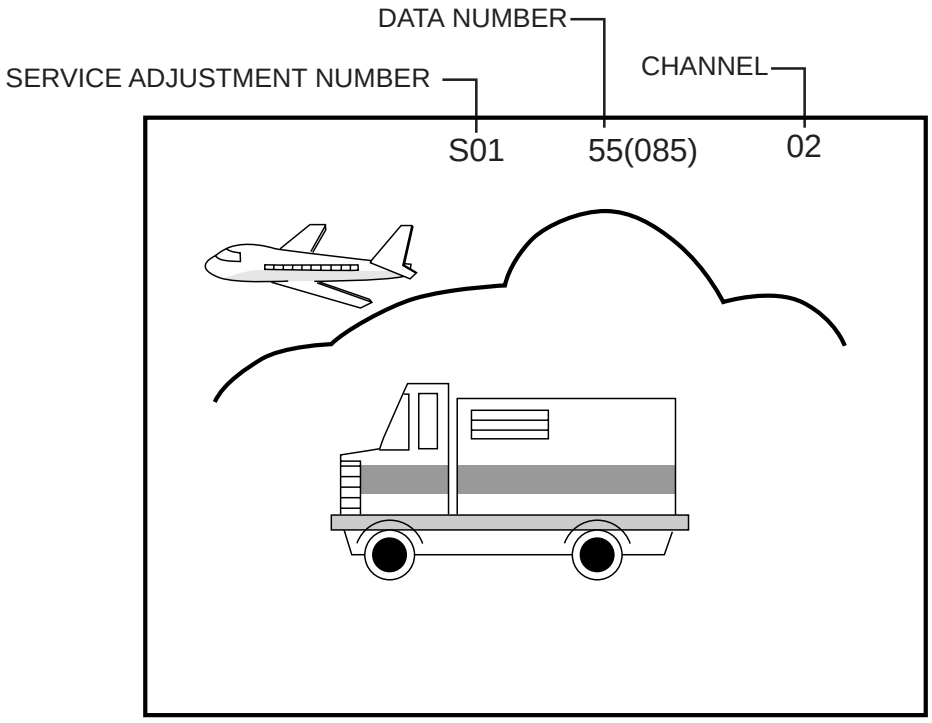


Figure A.

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS	
		INITIAL VALUE	RANGE		
S01	PICTURE	55	00-7F		
S02	TINT	46	00-7F		
S03	COLOR	32	00-7F		
S04	BRIGHTNESS	40	00-7F		
S05	SHARPNESS	24	00-3F	Must be set to "28"=27K-S100/180/300/CK27S10/18/30, "24"=27K-S400, CK27S40	
S06	VERTICAL PHASE	00	00-07	Must be set to "00"	
S07	HORIZONTAL PHASE	12	00-1F		
S08	RF-AGC	23	00-3F		
S09	VERTICAL AMP	20	00-3F		
S10	VCO	2C	00-7F		
S11	R CUT-OFF	00	00-FF		
S12	G CUT -OFF	00	00-FF		
S13	B CUT-OFF	00	00-FF		
S14	G GAIN	7F	00-FF		
S15	B GAIN	7F	00-FF		
S16	TRAP(3.58MHz)	00	00 or 01	Must be set to "00"=27K-S100/180/300 Must be set to "01"=27K-S400	
S17	BALANCE	20	00-3F	Must be set to "20"	
S18	C.C.POSITION	17	00-7F		
S19	Y-MUTE	00	00,01,03	"00" = NORMAL, "01" = No Y, "03" = No VERTICAL	
OP	OPTION (Set to each model)	80	00-FF	Must be set to "30"= 27K-S100/CK27S10, "78"= 27K-S300, "70"= 27K-S180, "7F"= 27K-S400/CK27S40, "7A"=CK27S30, "72"=CK27S18	
M01	MTS LEVEL	0A	00-0F		
M02	STEREO-VCO	20	00-3F		
M03	FILTER	1C	00-3F		
M04	LOW SEPARATION	20	00-3F		
M05	HIGH SEPARATION	1B	00-3F		
P01	P in P Y-LEVEL	30	00-7F		
P02	P in P TINT	29	00-3F	Must be set to "27"	
P03	P in P COLOR	2E	00-7F		
P04	P in P Y-OFFSET	09	00-1F	Must be set to "09"	Only for Models
P05	P in P H-POSITION	0A	00-FF	Must be set to "0A"	27K-S300/CK27S30
P06	P in P BURST GATE PULSE	00	00-7F	Must be set to "00"	27K-S400/CK27S40
P07	P in P FREE RUN	0B	00-0F	Must be set to "0B"	

Table - A

Holding down both the CH-up/down buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2101.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2101.
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201 and MTS level (M01).
IC2101	X		Holding down both the CH-up/down bottons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2101. Then perform a complete adjustment.
CRT	X		Adjust items related to picture tube only.
IC3001	X		Adjust items related to MTS only (M01~M05).
IC1801 (27K-S300/400 /CK27S30/40)	X		Adjust items related to P-IN-P only (P01~P07).

Table - B

■ SERVICE ADJUSTMENT

VCO Adjustment

1. Connect a digital voltmeter between pin (44) of IC201 and ground.
2. Receive a good local channel.
3. Enter the service mode and select the service adjustment "S10".
4. Adjust the data so that digital voltmeter reads 2.2V.
5. Adjustment is completed, remove the voltmeter, return to "normal" mode.

RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S08".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.
   Note 1 : You will have to come out of the service mode to select another channel.
   Note 2 : Setting the data to "00" will produce a black raster.

Screen Adjustment

1. Connect a digital voltmeter between TP852 and TP853 on the CRT Unit.
   Note: These test points may not be provided. Then connect the voltmeter to both ends of R852 located near Q851 on the foil side.
2. Receive a good local channel.
3. Enter the service mode and select the service adjustment "S03" and set the data value to "00" to set the color level to minimum. (Record original data code under adjustment "S03" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
4. Select the service adjustment "S19" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
5. Select the service adjustment "S04" and adjust data value to obtain 0.26 volts on the digital voltmeter.
6. Adjust the master screen cotrol until the raster darkens to the point where raster is barely seen.
7. Adjust the service adjustments "S11" red, "S12" green and "S13" blue to obtain a good grey scale with normal whites at low brightness level.
8. Select the service adjustment "S19" and reset data to "00". Select the service adjustment "S03" and reset data to obtain normal color level.
9. Remove digital voltmeter, and reset the master screen control to obtain normal brightness range.

White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S03" and set to "00" (minimum color)(Record original data code under adjustment "S03" before changing). "S03" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service adjustment data of "S14" and "S15" until a good grey scale with normal whites is obtained.
4. Select the service adjustment "S03" and adjust data to obtain normal color level.

Sub-Picture Adjustment

1. Receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select the service adjustment "S01".
4. Adjust the data value to achieve normal contrast range.

Sub-Tint Adjustment

1. Receive a good local channel.
2. Set customer tint control to center of it's range.
3. Enter the service mode and select the service adjustment "S02".
4. Adjust "S02" data value to obtain normal flesh tones.

Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
3. Enter the service mode and select service adjustment "S03".
4. Adjust "S03" data value to obtain normal color level.

Sub-Brightness Adjustment

1. Have unit receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select the service adjustment "S04".
4. Adjust "S04" data value to obtain normal brightness level.

Vertical-Size and Linearity Adjustments

1. Have unit receive a good local channel.
2. Enter the service mode and select the service adjustment "S09".
3. While observing the top and bottom of the screen, adjust "S09" data value to proper vertical size.

Vertical Phase Adjustment

1. Enter the service mode and select the service adjustment "S06".
2. Adjust data value to "00".

Note: This must be set "00" when changed data retrace line will appear.

Horizontal Position Adjustment

1. Have unit receive a good local channel.
2. Enter the service mode and select the service adjustment "S07".
3. Adjust "S07" data value so that picture is centered.

Caption Position Adjustment (Horizontal)

1. Have unit receive a good local channel.
2. Enter the service mode and select the service adjustment "S18".
3. A black text box appears on the screen. (see **Figure B** below)
4. Adjust "S18" data value so that text box is positioned in the center of the screen.

3.58MHz Trap Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S16".
3. This is a two position adjustment, "00" is ON, "01" is OFF.
4. Adjust data value to "00"(27K-S100/180/300, CK27S10/18/30) or "01"(27K-S400, CK27S40) for normal viewing.

Sharpness and Audio Balance Adjustments

1. Receive a good local channel.
2. Enter the service mode and select the service adjustments "S05" for sharpness and "S17" for balance.

- **Sharpness adjustment**

3. Adjust data value to "24" or "28"(center of data range) for sharpness adjustment.

- **Audio balance adjustment**

4. Adjust data value to "20"(center of data range) for Audio balance adjustment.

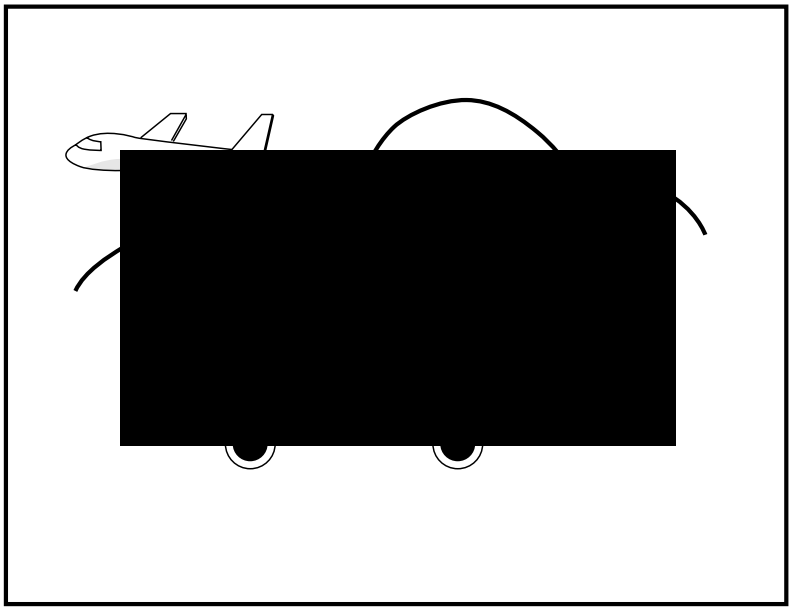


Figure B.

■ MTS ADJUSTMENT

MTS Level Adjustment

1. Feed the following monaural signal to pin (14) of IC3001.
   Monaural signal : 300Hz, 245mVrms
2. Connect the rms voltmeter to pin (39) of IC3001.
3. Enter the service mode and select the service adjustment "M01".
4. Adjust the data so that the rms voltmeter reads.
   Spec.: 490 ±10mVrms.

MTS VCO Adjustment

1. Keep the unit in no-signal state.
2. Connect the frequency counter to pin (39) of IC3001.
3. Connect a capacitor (100µF, 50V) in between positive(+) side of C3005 and ground.
4. Enter the service mode and select the service adjustment "M02"
5. Adjust the data so that the frequency counter reads.
   Spec.: 62.94 ±0.75kHz.

Filter Adjustment

1. Feed the following stereo pilot signal to pin (14) of IC3001 .
   Stereo pilot signal: 9.4kHz, 600mVrms.
2. Enter the service mode and select the service adjustment "M03".
3. Adjust the data at the point where "OK" appears on the screen. The "OK" represents the approximate center of the adjustable range of the data.

Separation Adjustment

1. Connect the rms voltmeter to pin (39) of IC3001.
2. Receive the following composite stereo signal 1.
   Composite stereo signal: 30% modulation, left channel only, noise reduction on, 300Hz
3. Enter the service mode and select the service adjustment "M04".
4. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
5. Receive the following composite stereo signal 2.
   Stereo signal: 30% modulation, left channel only, noise reduction on, 3kHz
6. Enter the service mode and select the service adjustment "M05".
7. Adjust the data until the AC voltage reading of the rms voltmeter is minimum.
8. Take the above steps 1 thru 8 again for fine adjustment.

■ P-IN-P ADJUSTMENT

(Only for 27K-S300/400/CK27S30/40)

P-IN-P Y LEVEL Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P01".
3. Adjust "P01" data value to obtain normal contrast level.

P-IN-P TINT Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P02".
3. Adjust data value to "27".

P-IN-P COLOR Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
3. Enter the service mode and select service adjustment "P03".
4. Adjust "P03" data value to obtain normal color level.

P-IN-P Y-OFF SET Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P04".
3. Adjust data value to "09".

P-IN-P H-POSITION Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P05".
3. Adjust data value to "0A".

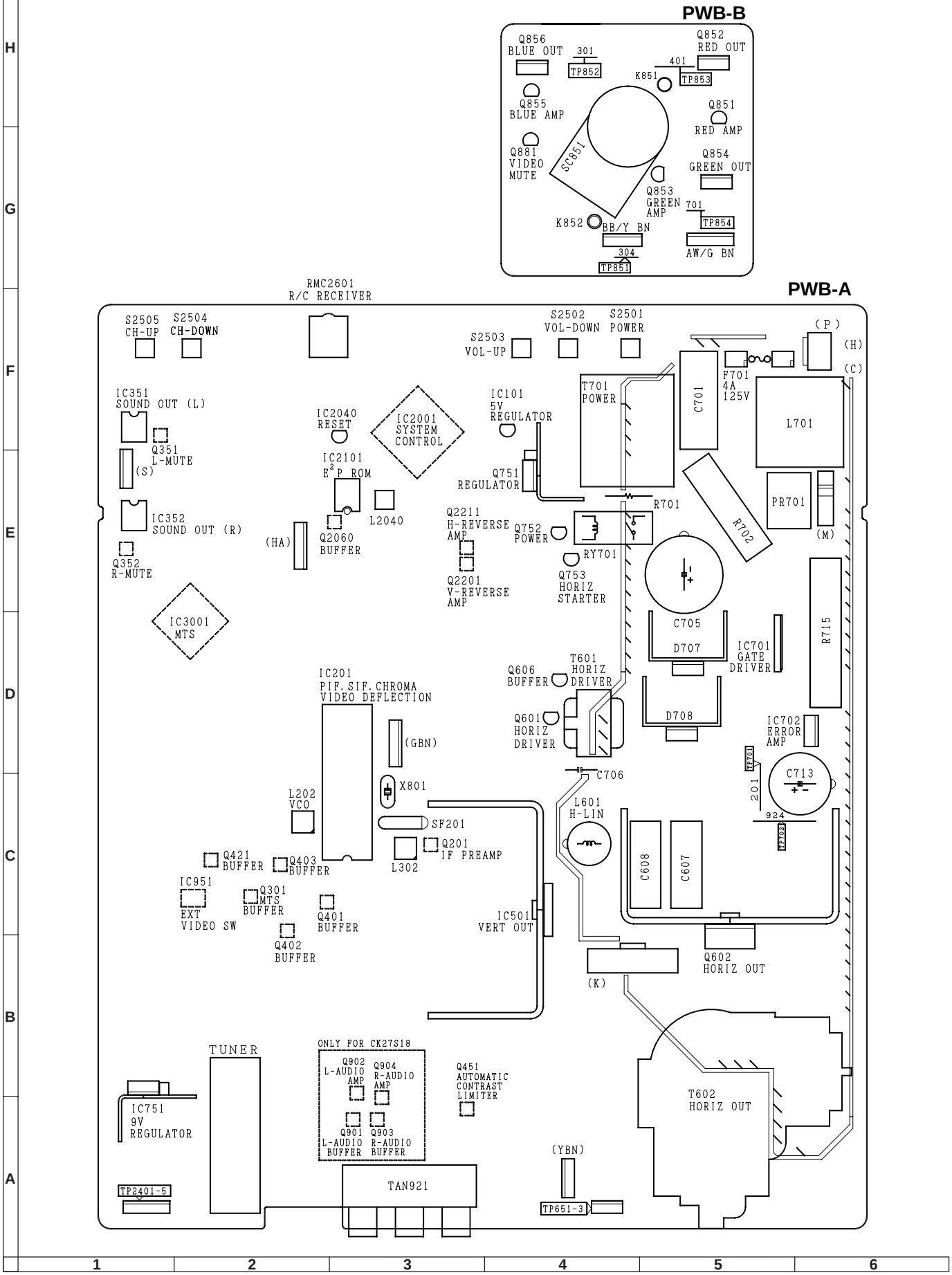
P-IN-P BURST GATE PULSE (for MAIN)

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "P06".
3. Adjust data value to "00".

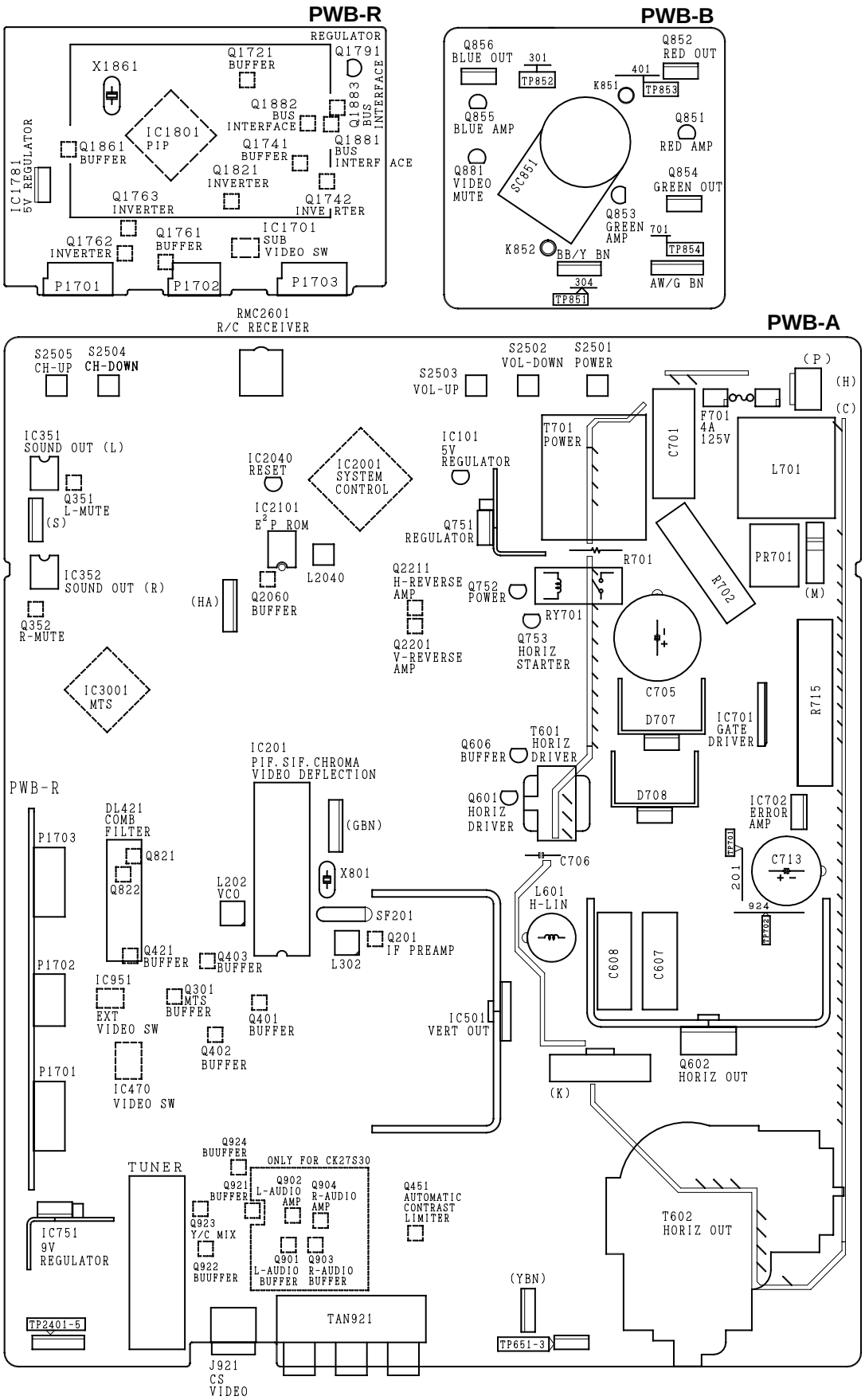
P-IN-P TREE RUN

1. Recieve a good local channel.
2. Enter the service mode and select service adjustment "P07".
3. Adjust data value to "0B".

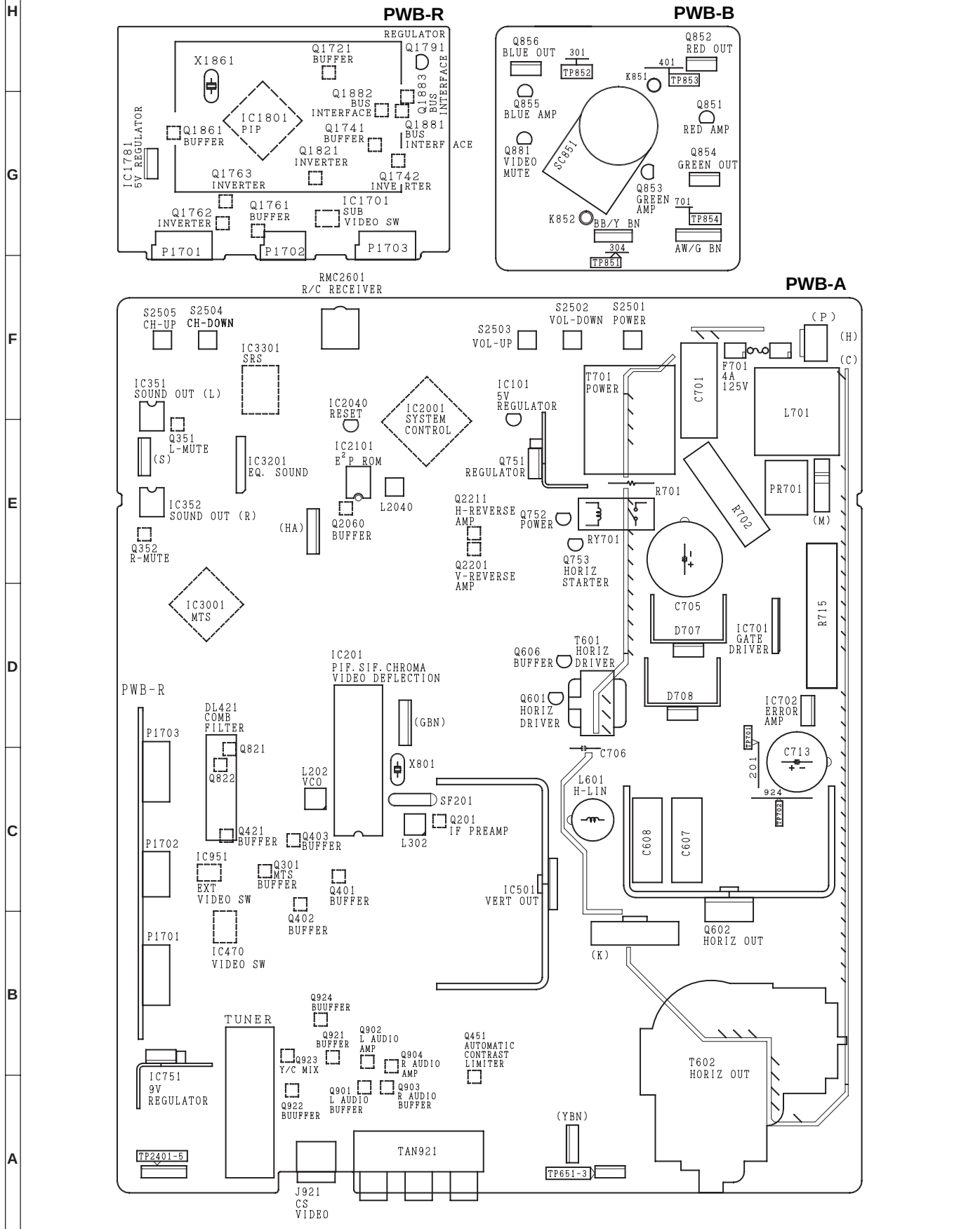
MODELS 27K-S100/180, CK27S10/18 CHASSIS LAYOUT



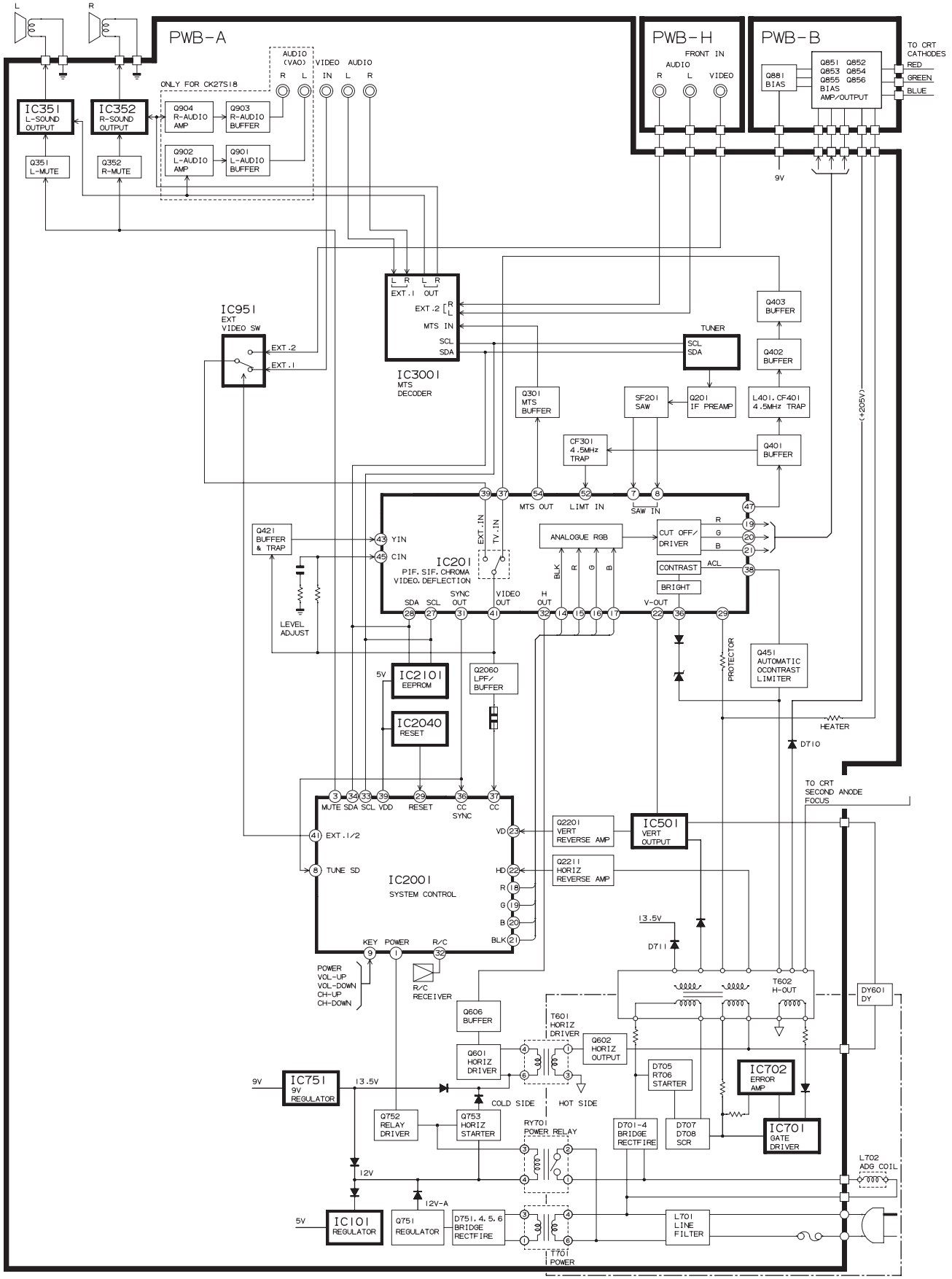
MODELS 27K-S300, CK27S30 CHASSIS LAYOUT



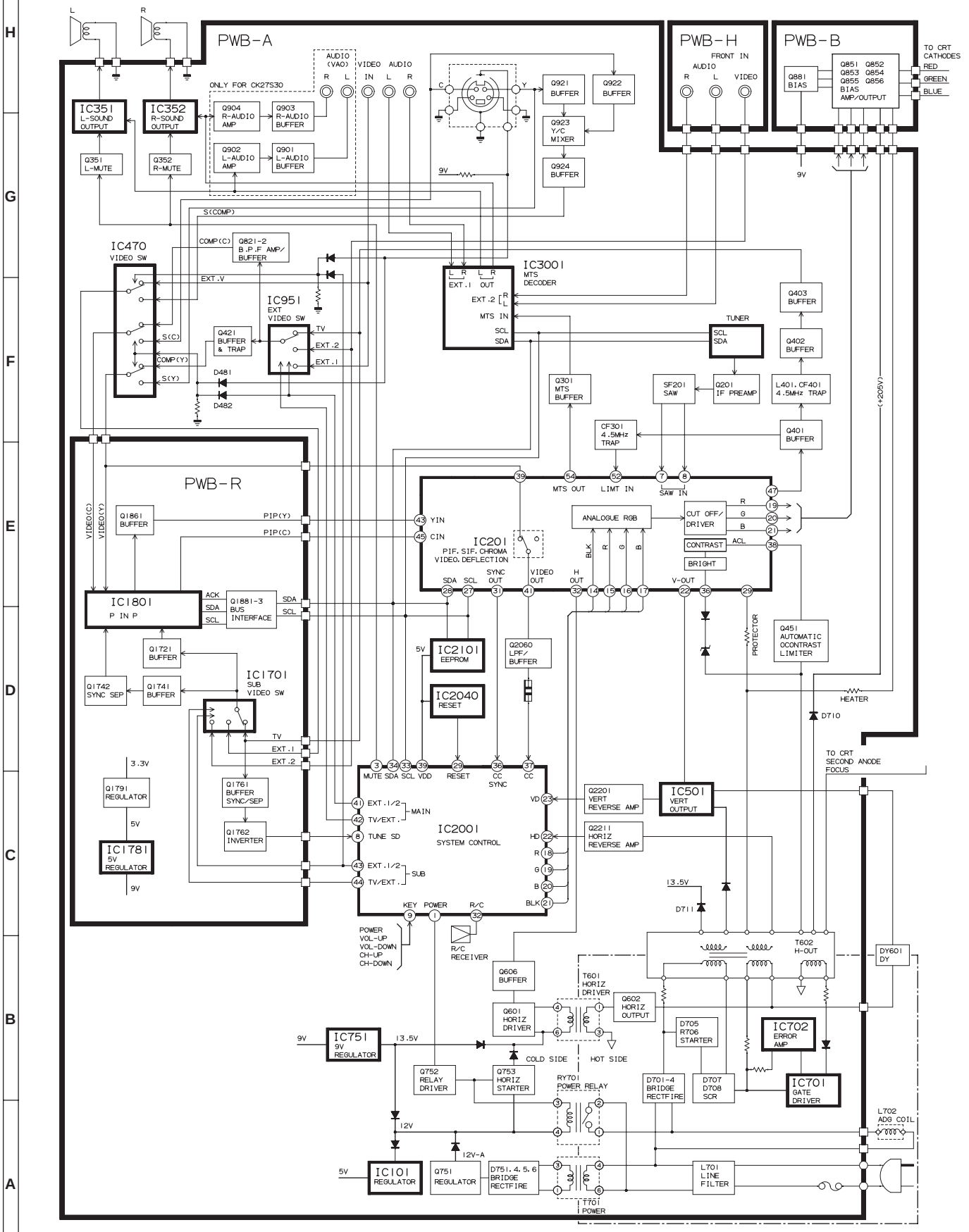
MODELS 27K-S400, CK27S40 CHASSIS LAYOUT



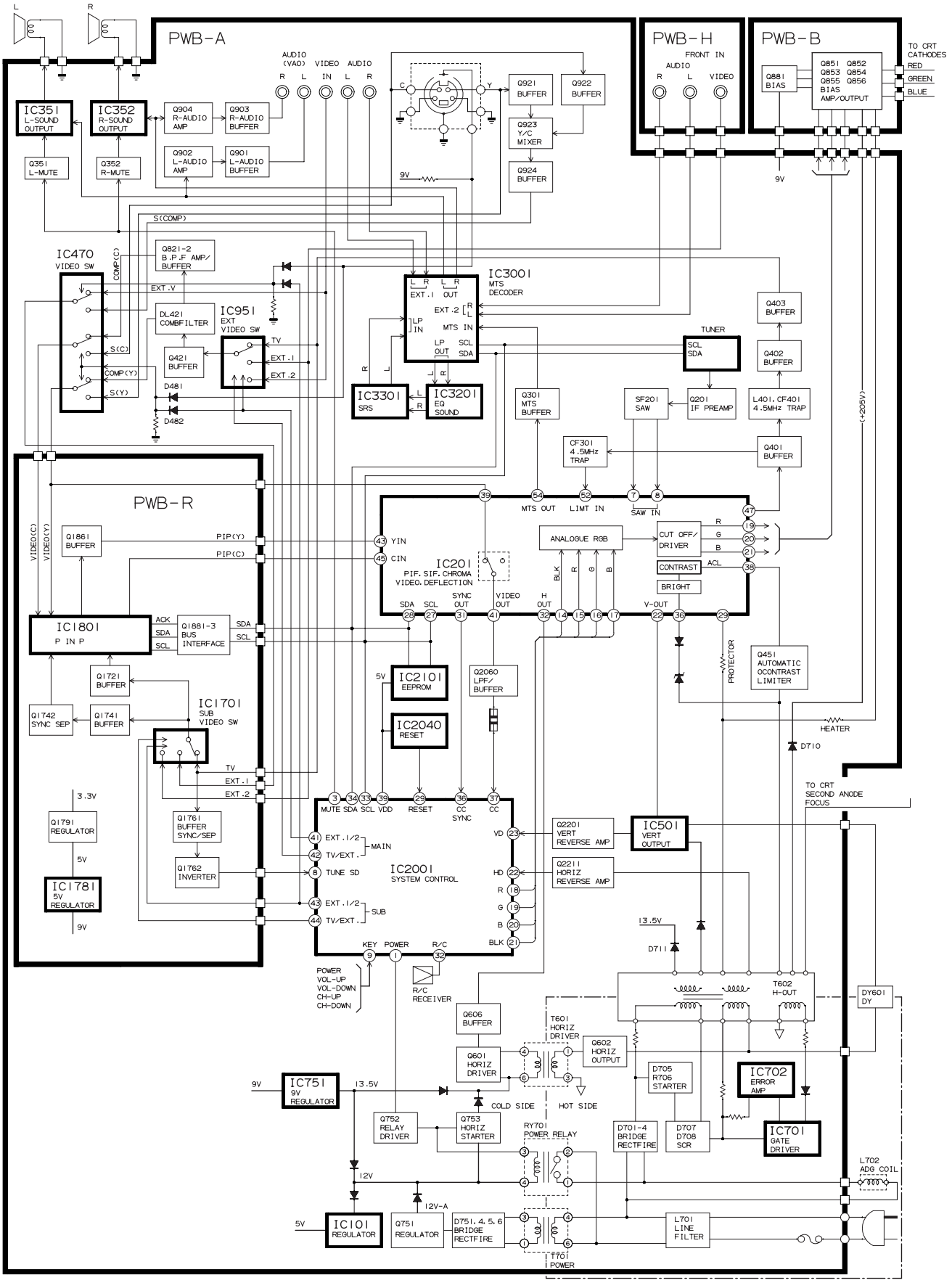
MODELS 27K-S100/180, CK27S10/18 BLOCK DIAGRAM



MODELS 27K-S300, CK27S30 BLOCK DIAGRAM



MODELS 27K-S400, CK27S40 BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. *The unit of resistance "ohm" is omitted. (K=kΩ=1000Ω, M=MΩ)*
2. *All resistors are 1/8 watt, unless otherwise noted.*
3. *All capacitors are μ F, unless otherwise noted. (P=pF=μμF)*
4. *(G) indicates ±2% tolerance may be used.*
5. ⏚ *indicates line isolated ground.*
6. ⏚ *indicates hot ground.*

VOLTAGE MEASUREMENT CONDITIONS:

1. *All DC voltages are measured with VTVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.*
2. *All voltages measured with 1000μ V B & W or Color signal.*

WAVEFORM MEASUREMENT CONDITIONS:

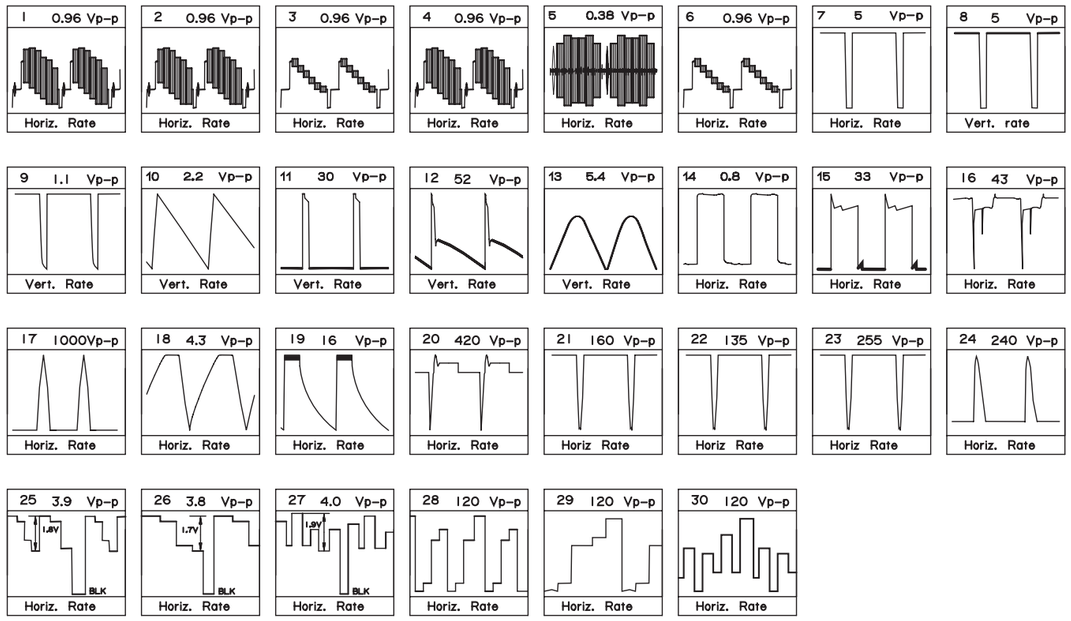
1. *Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.*
2. *indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)*

⚠ *AND SHADED ( ) COMPONENTS = SAFETY RELATED PARTS.*
▲ *MARK= X-RAY RELATED PARTS.*

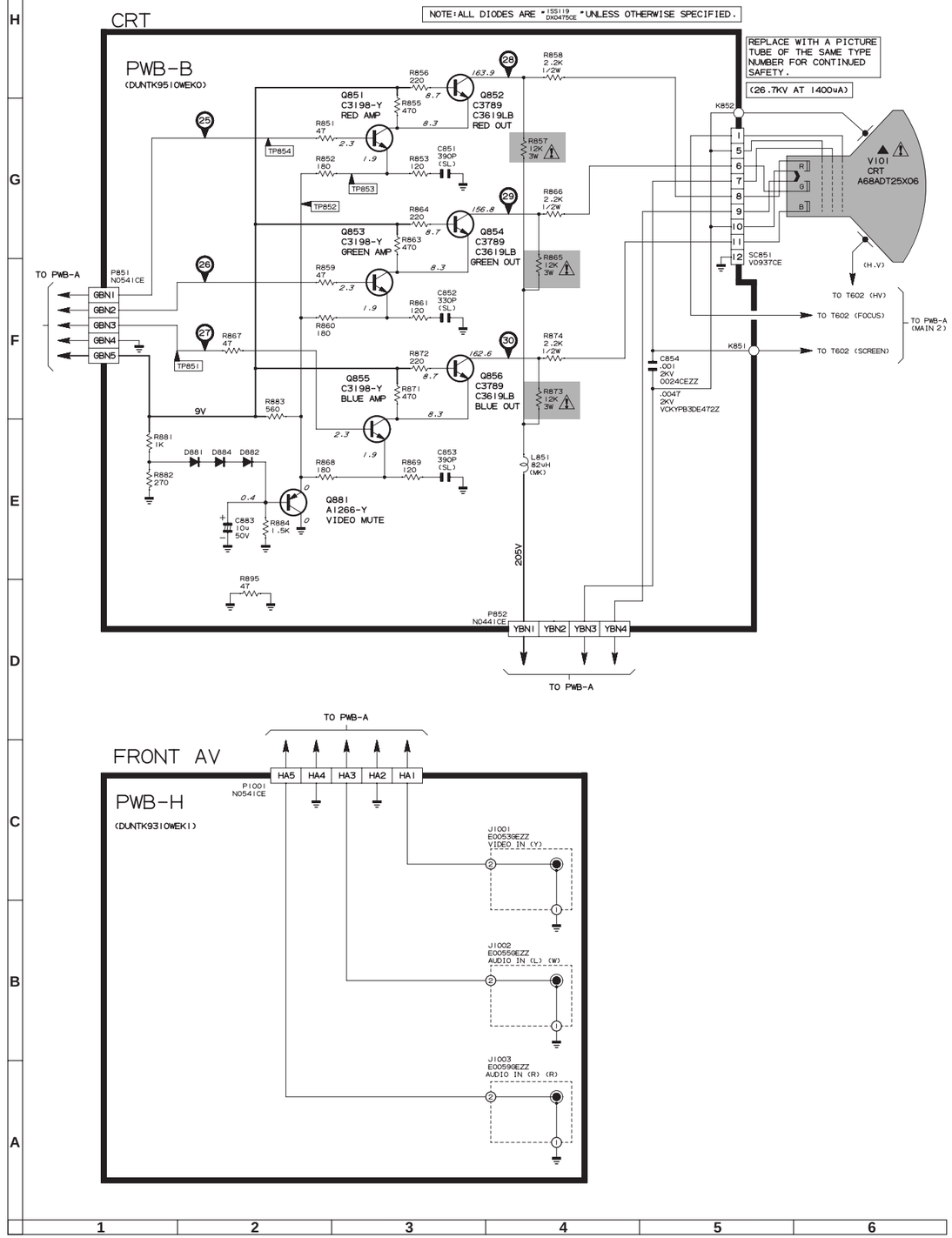
DRGANNES MARQUES ⚠ ET HACHRES ( ): PIECES RELATIVES A LA SECURITE. MARQUE ▲ : PIECS RELATIVE AUX RAYONS X.

This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

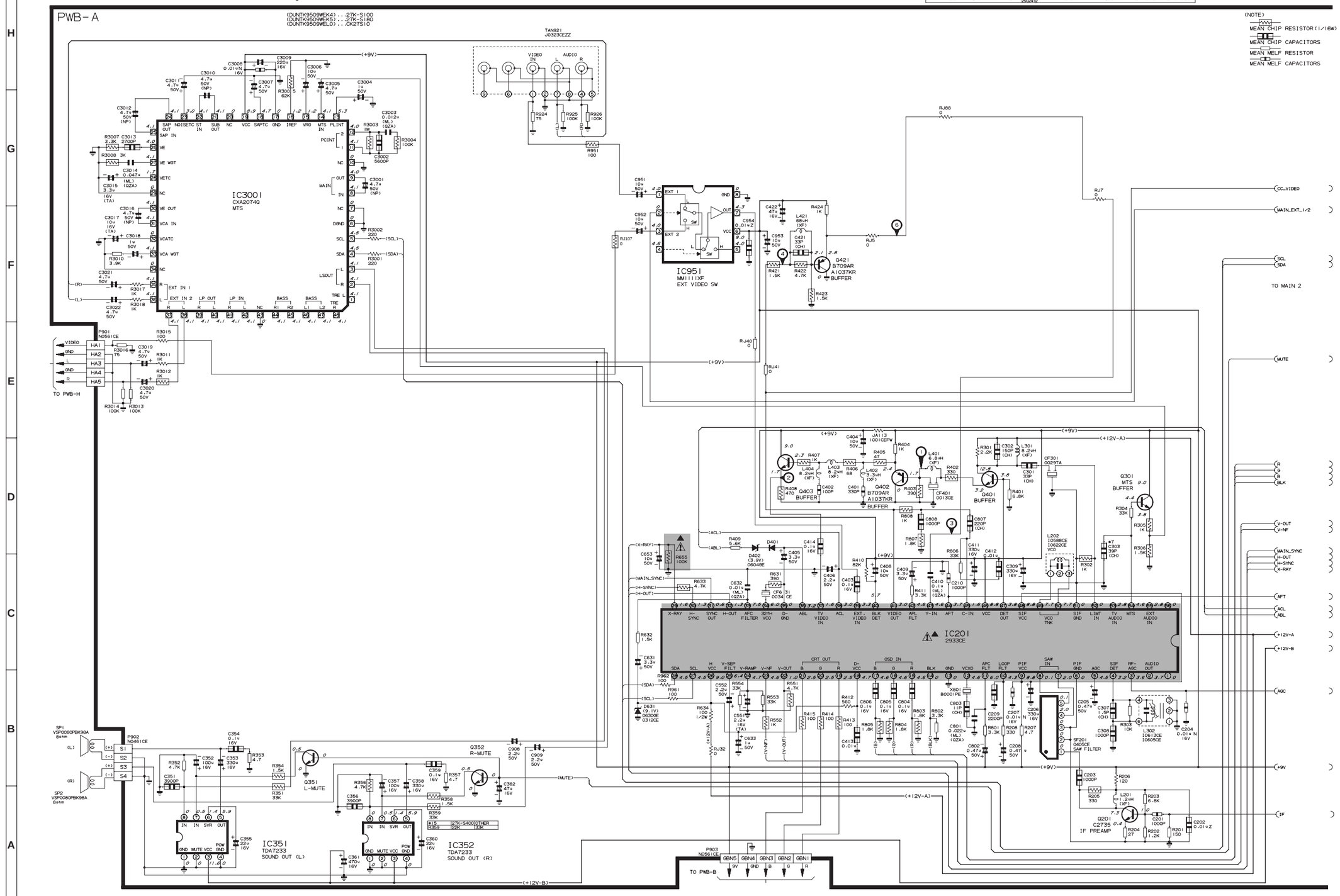
WAVE FORMS



SCHEMATIC DIAGRAM: CRT, FRONT AV Unit

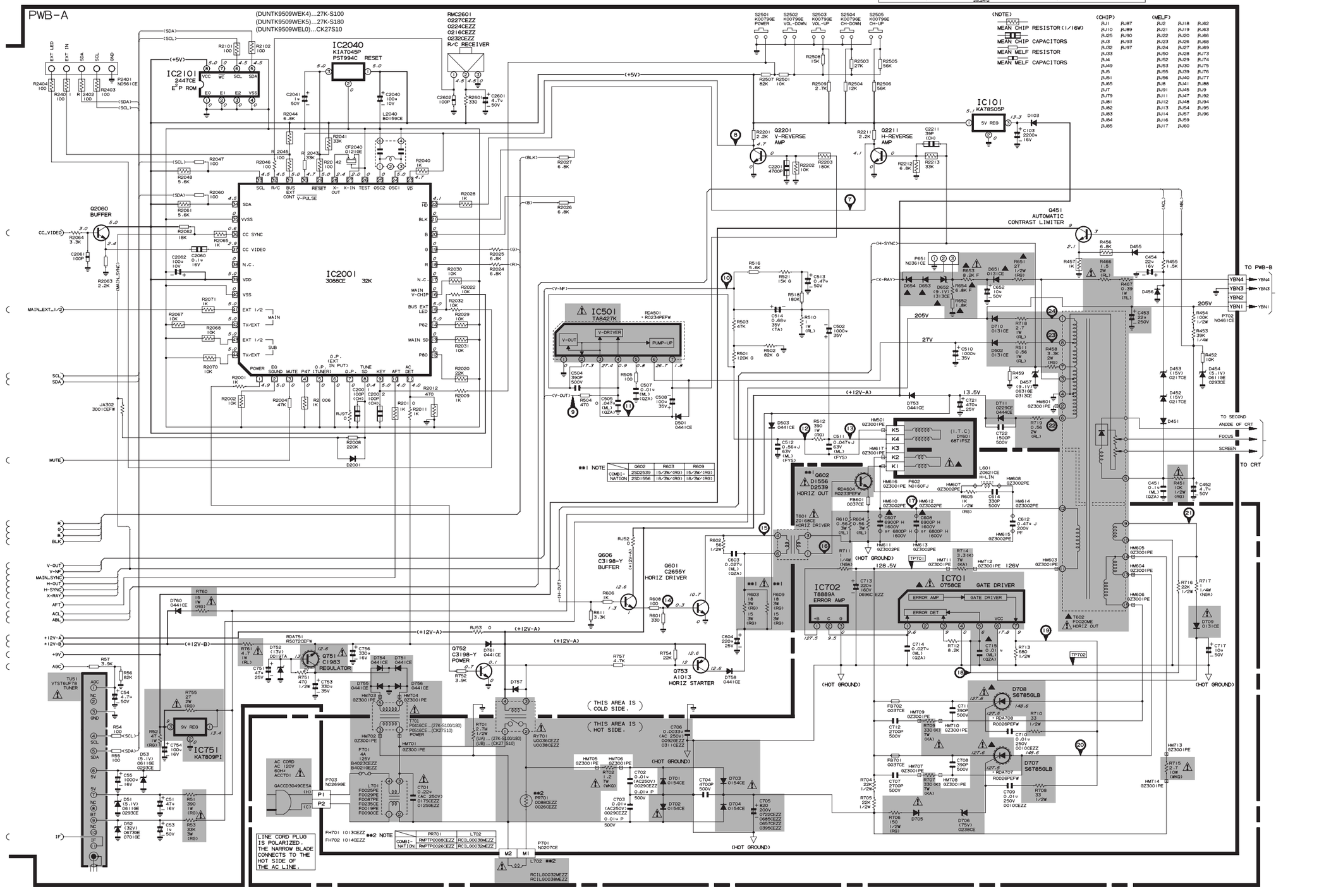


MODELS 27K-S100/180, CK27S10 SCHEMATIC DIAGRAM: MAIN-1 Unit

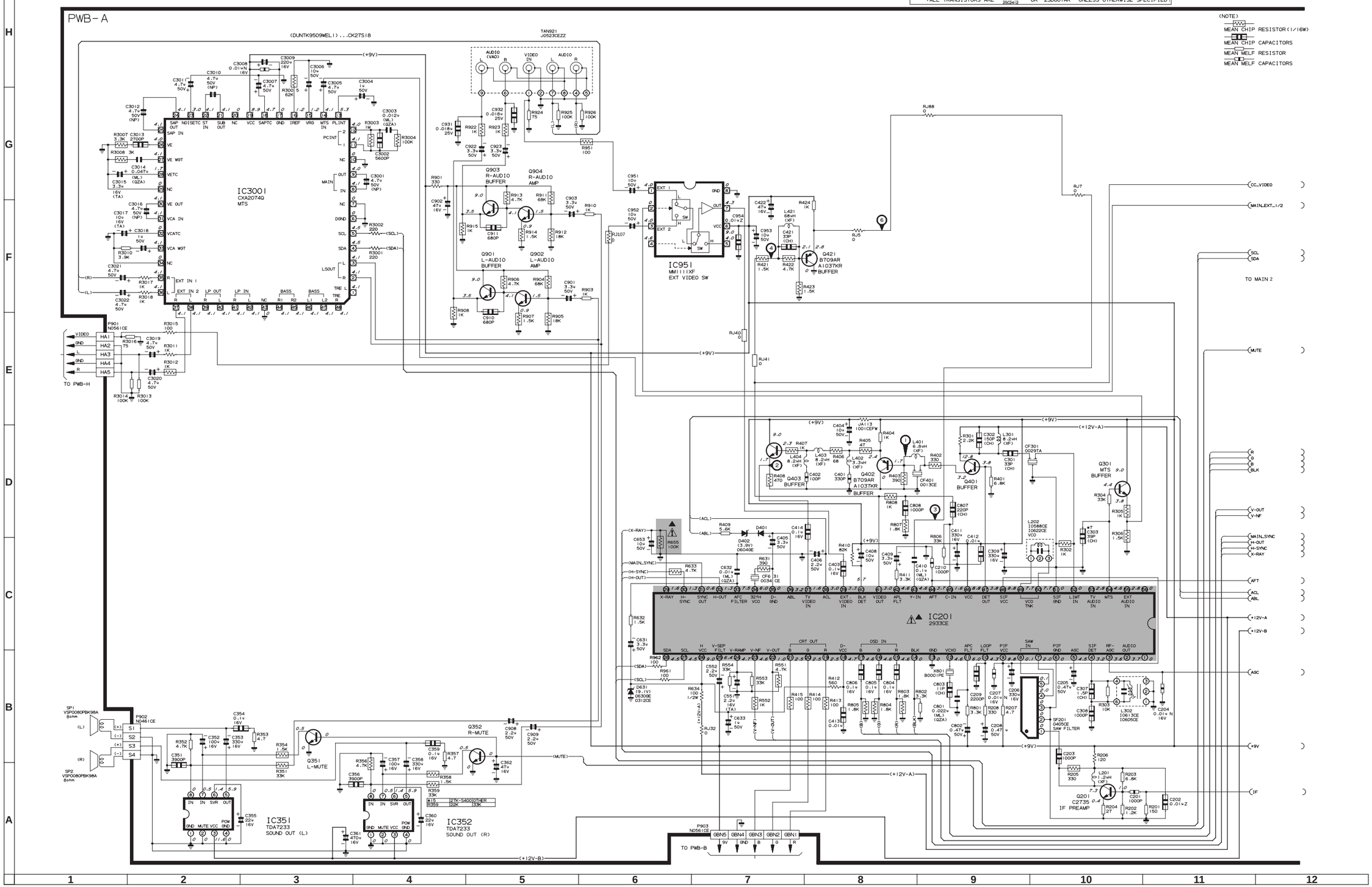


1	2	3	4	5	6	7	8	9	10	11	12

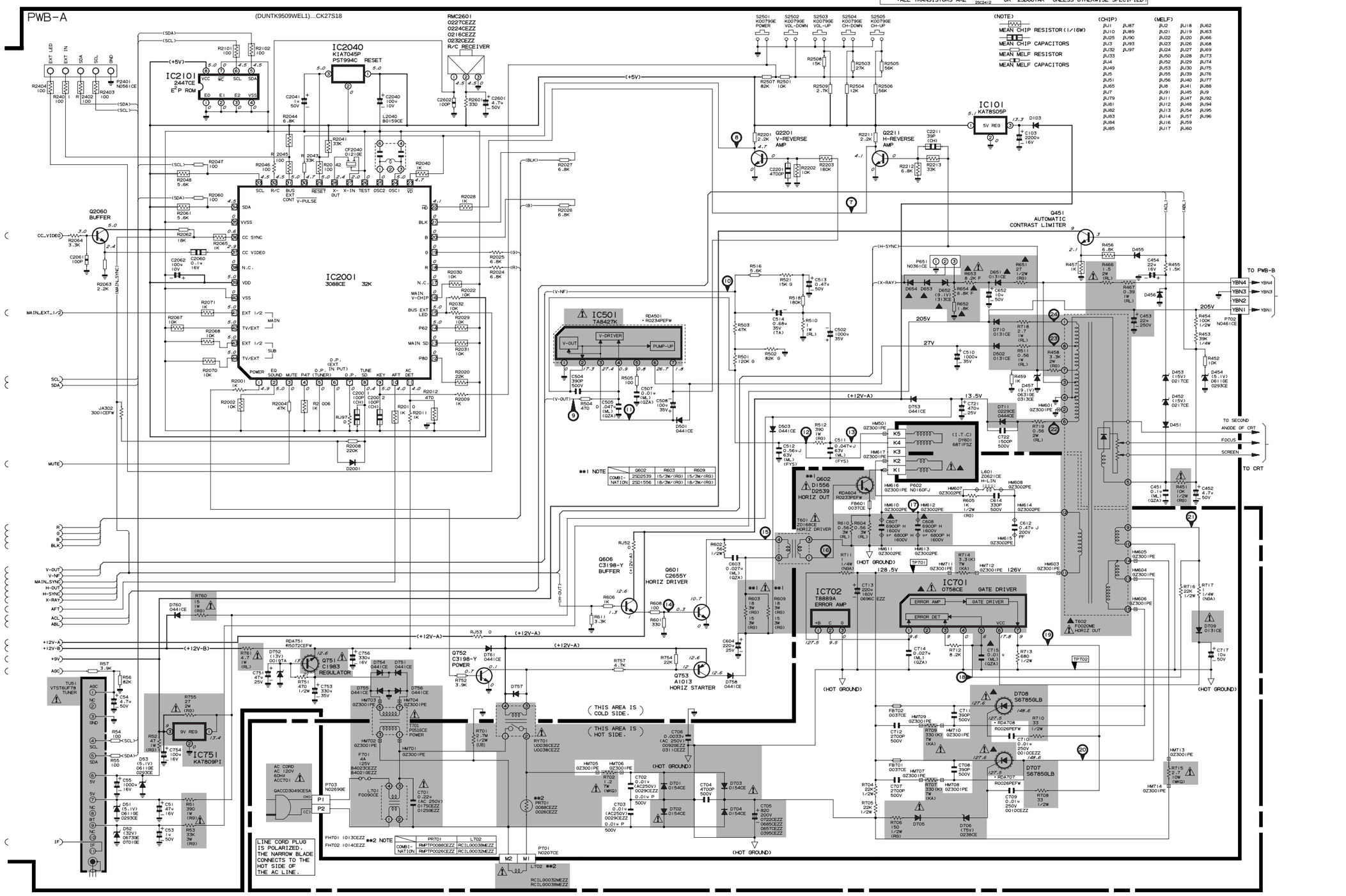
MODELS 27K-S100/180, CK27S10 SCHEMATIC DIAGRAM: MAIN-2 Unit


PWB-A
(DUNTK9509WEK4)...27K-S100
(DUNTK9509WEK5)...27K-S180
(DUNTK9509WELO)...CK27S10
IC2040 K1A7045P PST994C RESET
IC2101 2447CE E²P ROM
IC2001 3088CE 32K
IC501 TA8427K
IC1501 KA78S05P
IC702 T8889A ERROR AMP
IC701 D758CE GATE DRIVER
IC751 KA7809P1
Q2060 BUFFER
Q2201 V-REVERSE AMP
Q2211 H-REVERSE AMP
Q451 AUTOMATIC CONTRAST LIMITER
Q602 D1556 D2539 HORIZ OUT
Q606 C3198-Y BUFFER
Q601 C2655Y HORIZ DRIVER
Q752 C3198-Y POWER
Q753 A1013 HORIZ STARTER
Q751 C1983 REGULATOR
RMC2601 0227CEZZ 0224CEZZ 0216CEZZ 0232CEZZ R/C RECEIVER
S2501 K0079GE POWER
S2502 K0079GE VOL-DOWN
S2503 K0079GE VOL-UP
S2504 K0079GE CH-DOWN
S2505 K0079GE CH-UP
(NOTE) MEAN CHIP RESISTOR(1/16W)
MEAN CHIP CAPACITORS
MEAN MELF RESISTOR
MEAN MELF CAPACITORS
(CHIP) RJ1 RJ10 RJ25 RJ3 RJ32 RJ33 RJ4 RJ49 RJ5 RJ51 RJ65 RJ7 RJ79 RJ81 RJ82 RJ83 RJ84 RJ85 RJ87 RJ89 RJ90 RJ93 RJ97
(MELF) RJ2 RJ21 RJ22 RJ23 RJ24 RJ50 RJ52 RJ53 RJ55 RJ56 RJ8 RJ91 RJ11 RJ12 RJ13 RJ14 RJ16 RJ17 RJ18 RJ19 RJ20 RJ26 RJ27 RJ28 RJ29 RJ30 RJ39 RJ40 RJ41 RJ45 RJ47 RJ48 RJ54 RJ57 RJ59 RJ60 RJ62 RJ63 RJ66 RJ68 RJ69 RJ73 RJ74 RJ75 RJ76 RJ77 RJ88 RJ9 RJ92 RJ94 RJ95 RJ96
NOTE: ALL DIODES ARE *1SS119 D1N4752E * UNLESS OTHERWISE SPECIFIED. ALL TRANSISTORS ARE * 2SC2462 * OR *2SD601AR* UNLESS OTHERWISE SPECIFIED.
TO PWB-B
TO SECOND ANODE OF CRT
FOCUS
SCREEN
TO CRT
THIS AREA IS COLD SIDE.
THIS AREA IS HOT SIDE.
(HOT GROUND)
LINE CORD PLUG IS POLARIZED. THE NARROW BLADE CONNECTS TO THE HOT SIDE OF THE AC LINE.
**1 NOTE
**2 NOTE

MODEL CK27S18 SCHEMATIC DIAGRAM: MAIN-1 Unit



MODEL CK27S18 SCHEMATIC DIAGRAM: MAIN-2 Unit


PWB-A
(DUNTK9509WEL1)...CK27S18
NOTE: ALL DIODES ARE * 1SS119 D4047SE * UNLESS OTHERWISE SPECIFIED.
ALL TRANSISTORS ARE * 2SC2482 * OR * 2SD601AR * UNLESS OTHERWISE SPECIFIED.
IC2001 3088CE 32K
IC2101 2447CE E²P ROM
IC2040 KIA7045P PST994C RESET
IC501 TA8427K
IC101 KA78S05P
IC751 KA7809PI
IC701 0758CE GATE DRIVER
IC702 T8889A ERROR AMP
Q2060 BUFFER
Q2201 V-REVERSE AMP
Q2211 H-REVERSE AMP
Q451 AUTOMATIC CONTRAST LIMITER
Q606 C3198-Y BUFFER
Q601 C2655Y HORIZ DRIVER
Q602 D1556 D2539 HORIZ OUT
Q751 C1983 REGULATOR
Q752 C3198-Y POWER
Q753 A1013 HORIZ STARTER
RMC2601 0227CEZZ 0224CEZZ 0216CEZZ 0230CEZZ R/C RECEIVER
TU51 VTST6UF78 TUNER
T601 Z0168CE HORIZ DRIVER
T602 F0020ME HORIZ OUT
TO PWB-B
TO SECOND ANODE OF CRT
FOCUS
SCREEN
TO CRT
(HOT GROUND)
THIS AREA IS COLD SIDE.
THIS AREA IS HOT SIDE.
LINE CORD PLUG IS POLARIZED. THE NARROW BLADE CONNECTS TO THE HOT SIDE OF THE AC LINE.
AC CORD AC 120V 60Hz ACC701
MEAN CHIP RESISTOR (1/16W)
MEAN CHIP CAPACITORS
MEAN MELF RESISTOR
MEAN MELF CAPACITORS
(+5V)
(+12V-A)
(+12V-B)
205V
2TV
13.5V
128.5V
126V
9V REG
5V REG
GATE DRIVER
ERROR AMP
ERROR DET
PUMP-UP
V-DRIVER
V-OUT
MAIN V-CHIP
MAIN SD
BUS EXT LED
MAIN EXT I/2
SUB
TV/EXT
EXT I/2
MAIN
O.P. (EXT IN PUT)
O.P.
POWER
EQ SOUND
MUTE
P47 (TUNER)
TUNE SD
KEY
AFT
AC DET
SCL
SDA
R/C
BUS EXT CONT V-PULSE
RESET
X-OUT
X-IN
TEST
OSC2
OSC1
VD
HD
BLK
R
G
B
N.C.
VDD
VSS
VVSS
CC SYNC
CC VIDEO
P62
P80
H-SYNC
V-SYNC
X-RAY
AFT
ACL
ABL
MUTE
A90
BUFFER
REGULATOR
HORIZ STARTER
HORIZ DRIVER
HORIZ OUT
BUFFER
POWER
ERROR AMP
GATE DRIVER
AUTOMATIC CONTRAST LIMITER
R/C RECEIVER
TUNER
S2501 KO0790E POWER
S2502 KO0790E VOL-DOWN
S2503 KO0790E VOL-UP
S2504 KO0790E CH-DOWN
S2505 KO0790E CH-UP
P2401 N0561CE
P601 N0160FJ
P602 N0160FJ
P651 N0361CE
P702 N0461CE
JA302 3001CEFW
P703 N0269GE
P701 N0207CE
L2040 B01593CE
L601 2062CE H-LIN
L701 F0090CE
DY601 68T1FSZ
D1556 D2539
RDA604 R0233PEF
RDA751 R5012CEFW
RDA501 - R0234PEFW
FB601 0037CE
FB701 0037CE
FB702 0037CE
DF2040 0121GE
D2001
D501 0441CE
D503 0441CE
D651 0131CE
D652 (9.1V) 1313CE
D654 D653
D753 0441CE
D755 D754 D751 D756 D760 0441CE
D758 0441CE
D761 0441CE
D701 0154CE
D702 0154CE
D703 0154CE
D704 0154CE
D705
D706 (75V) 0238CE
D708 S6785GLB
D707 S6785GLB
D710 0131CE
D711 0229CE 0444CE
D502 0131CE
D457 (9.1V) 0631GE 0313CE
D451
D452 (15V) 0217CE
D453 (15V) 0217CE
D454 (5.1V) 0611GE 0293CE
D456
D103
D801
D802
D803
D804
D805
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D811
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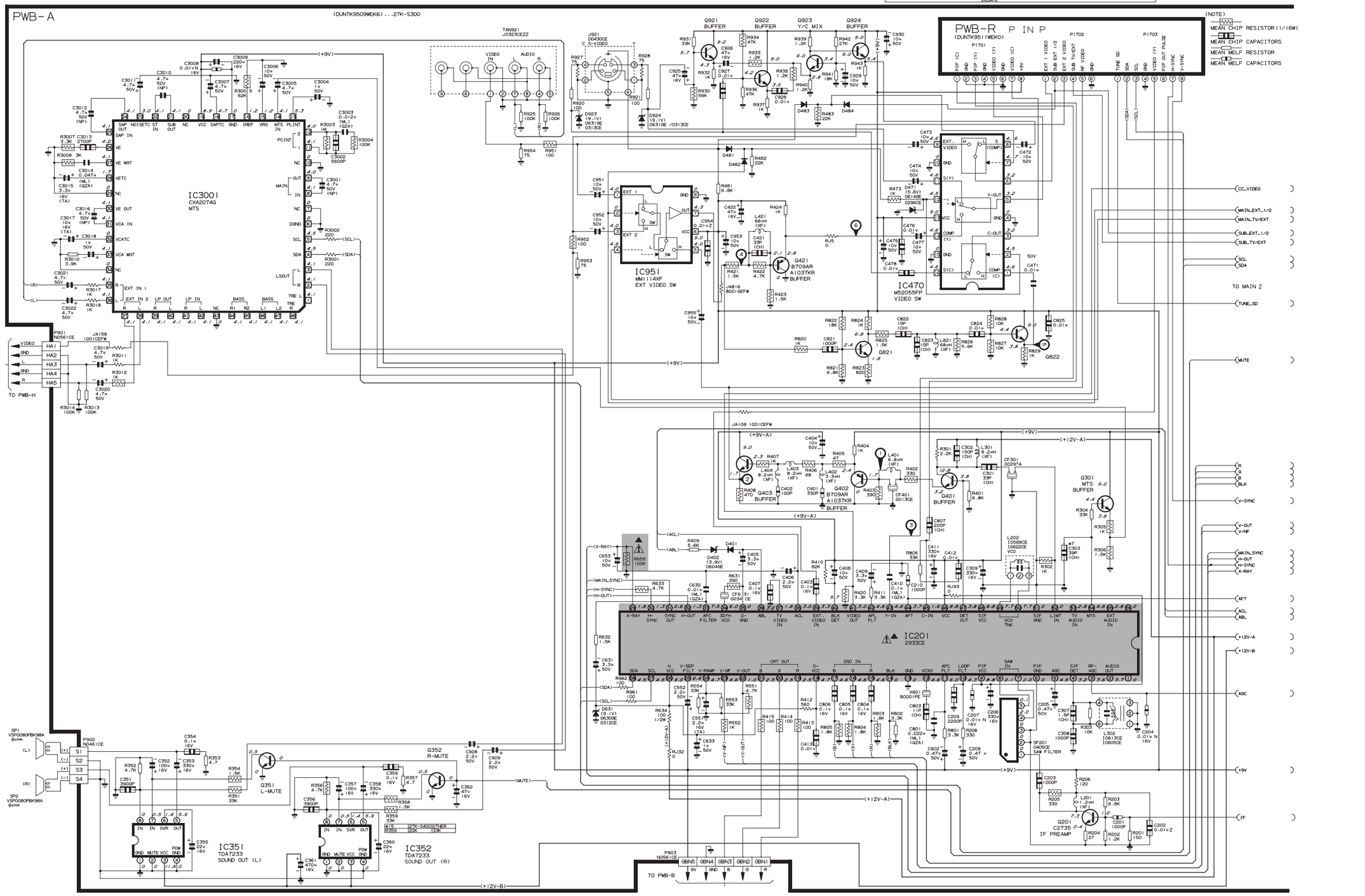
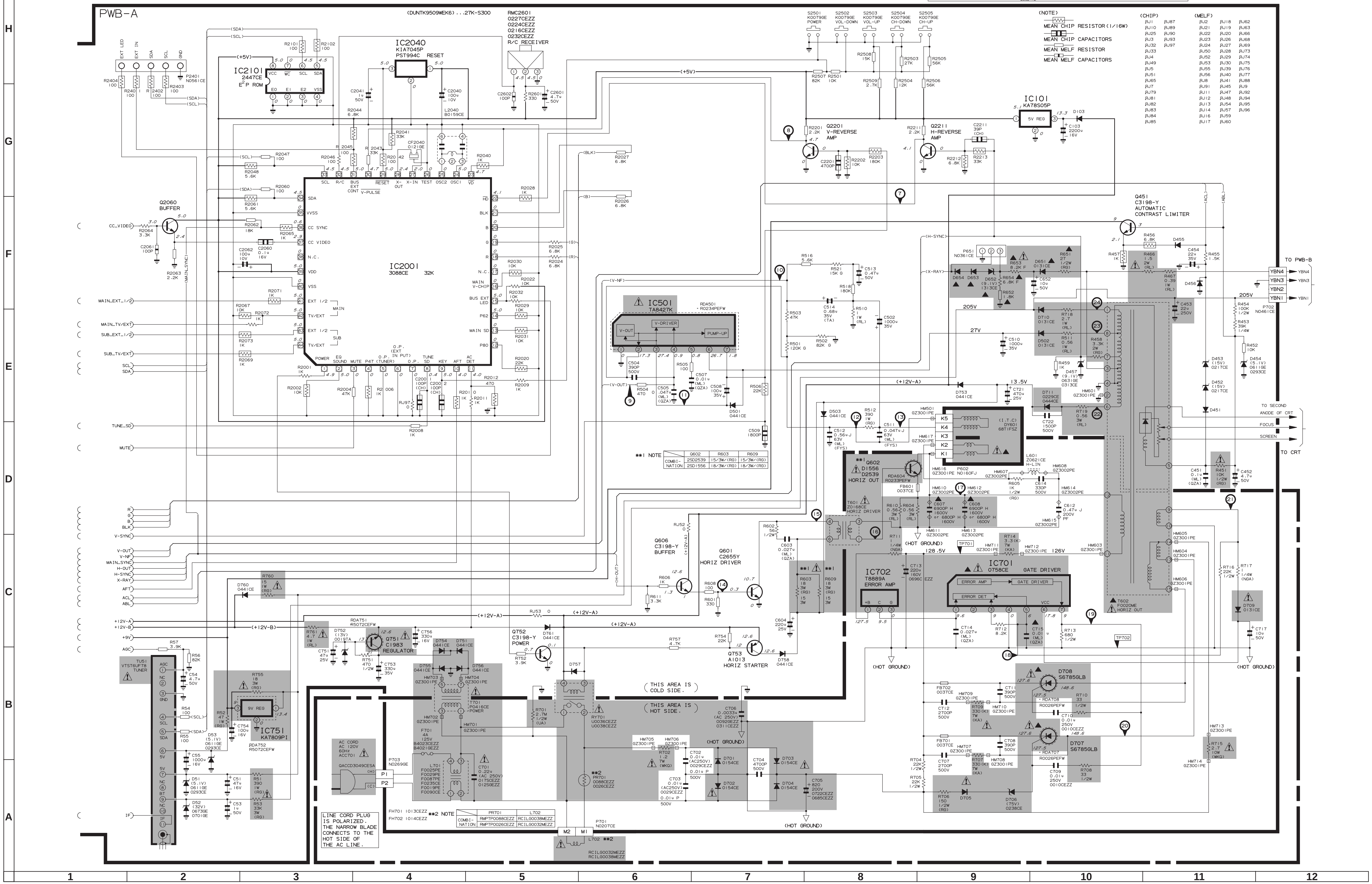
D834
D835
D836
D837
D838
D839
D840

MODEL 27K-S300 SCHEMATIC DIAGRAM: MAIN-1 Unit

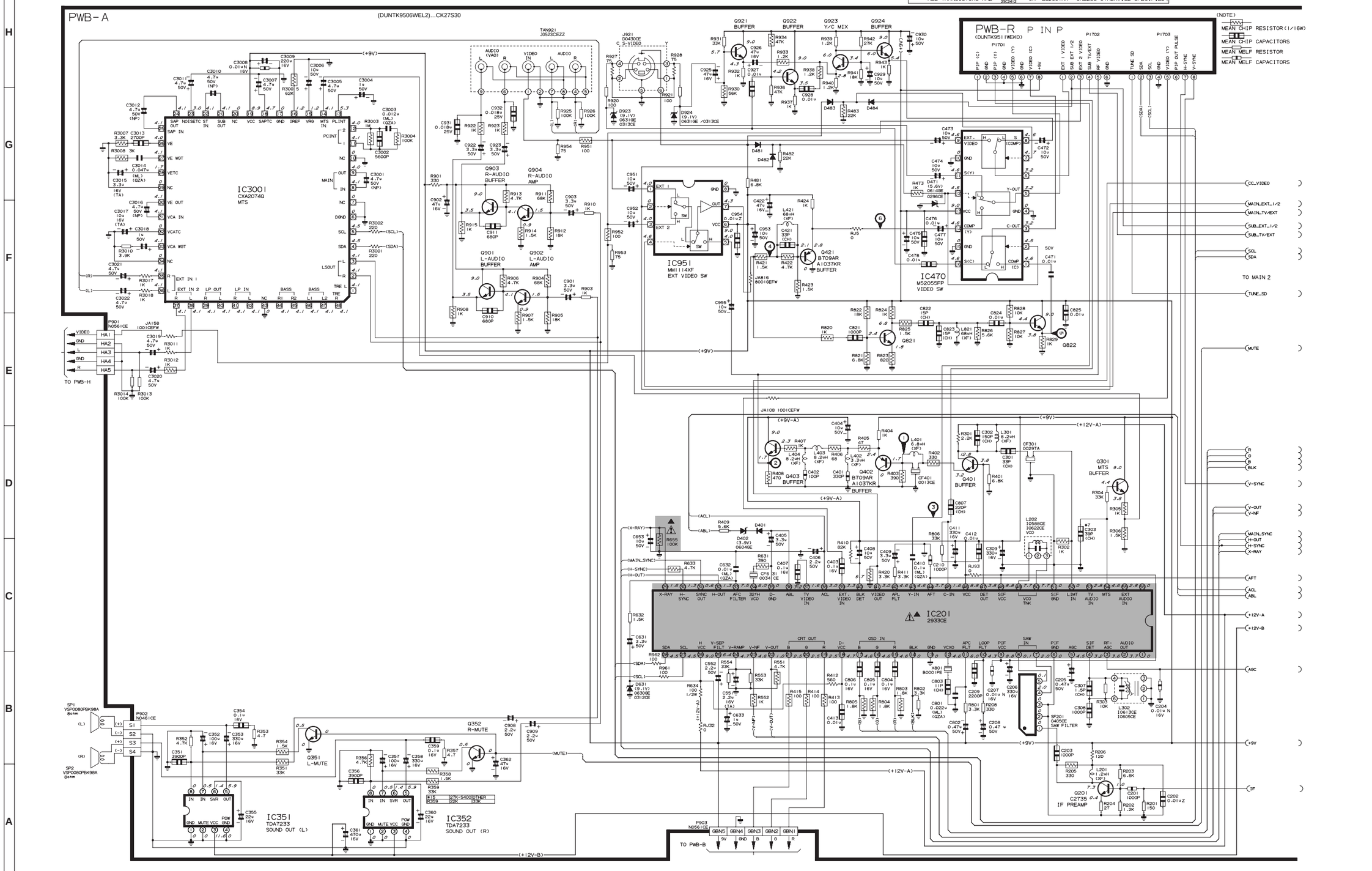


MODEL 27K-S300 SCHEMATIC DIAGRAM: MAIN-2 Unit

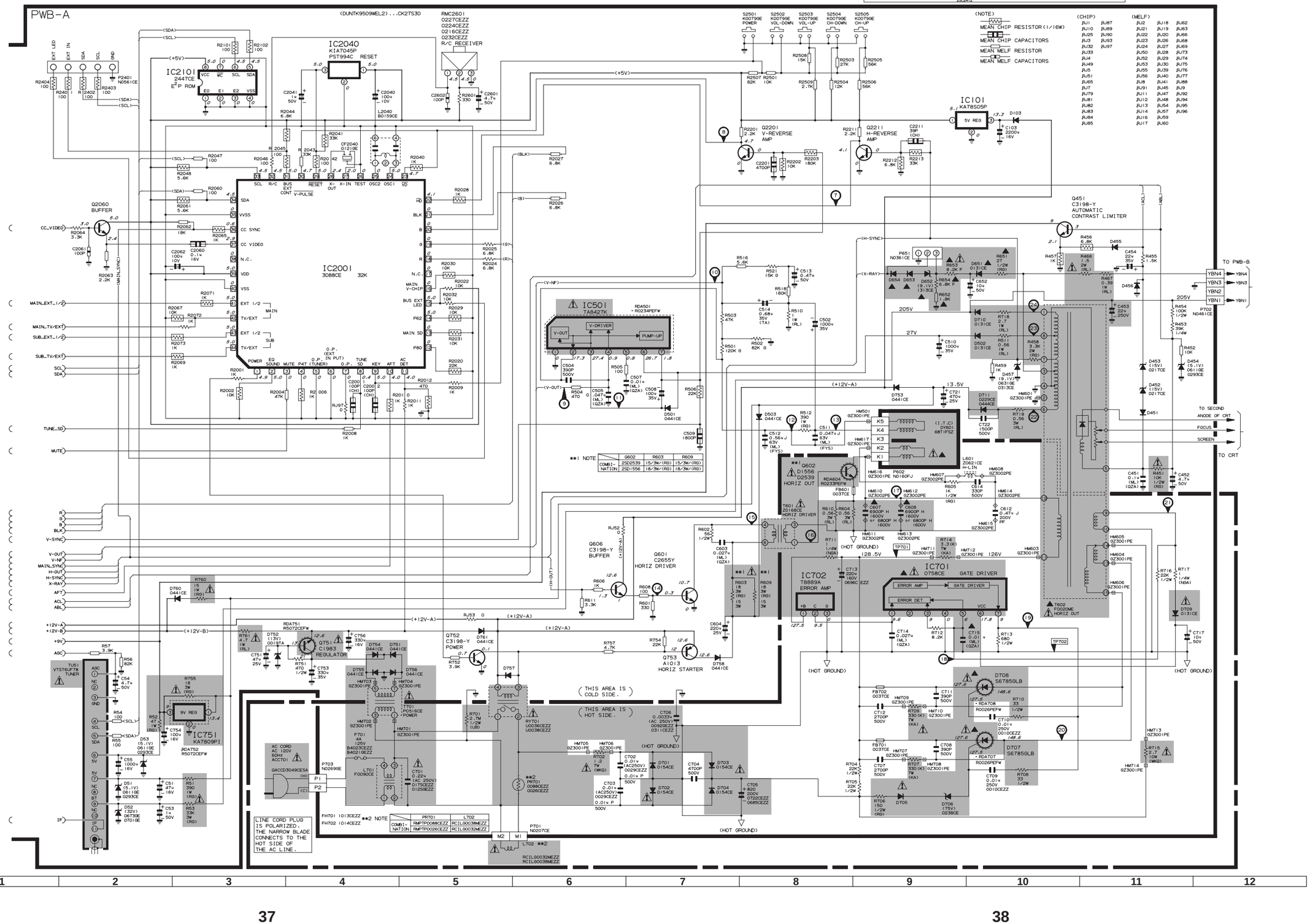
NOTE: ALL DIODES ARE "1SS119 / DX0475CE" UNLESS OTHERWISE SPECIFIED.
:ALL TRANSISTORS ARE "2SC2462 / 2SC2412" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.


PWB-A
(DUNTK9509WEK6)...27K-S300
IC2101 2447CE E2P ROM
IC2040 KIA7045P PST994C RESET
IC2001 3088CE 32K
RMC2601 0227CEZZ 0224CEZZ 0216CEZZ 0232CEZZ R/C RECEIVER
S2501 K0079GE POWER
S2502 K0079GE VOL-DOWN
S2503 K0079GE VOL-UP
S2504 K0079GE CH-DOWN
S2505 K0079GE CH-UP
Q2201 V-REVERSE AMP
Q2211 H-REVERSE AMP
IC101 KA78S05P 5V REG
Q2060 BUFFER
IC501 TA8427K
V-OUT
V-DRIVER
PUMP-UP
Q451 C3198-Y AUTOMATIC CONTRAST LIMITER
TO PWB-B
YBN4
YBN3
YBN2
YBN1
P702 N0461CE
TO SECOND ANODE OF CRT
FOCUS
SCREEN
TO CRT
(I.T.C) DY601 68TIFSZ
Q602 D1556 D2539 HORIZ OUT
T601 Z0168CE HORIZ DRIVER
Q606 C3198-Y BUFFER
Q601 C2655Y HORIZ DRIVER
IC702 T8889A ERROR AMP
IC701 0758CE GATE DRIVER
ERROR AMP
GATE DRIVER
ERROR DET
T602 F0020ME HORIZ OUT
Q752 C3198-Y POWER
Q753 A1013 HORIZ STARTER
Q751 C1983 REGULATOR
IC751 KA7809PI 9V REG
TU51 VTST6UF78 TUNER
THIS AREA IS COLD SIDE.
THIS AREA IS HOT SIDE.
(HOT GROUND)
D708 S6785GLB
D707 S6785GLB
AC CORD AC 120V 60Hz ACC701
QACCD3049CESA
LINE CORD PLUG IS POLARIZED. THE NARROW BLADE CONNECTS TO THE HOT SIDE OF THE AC LINE.
**1 NOTE
COMBI-NATION | Q602 | R603 | R609
2SD2539 | 15/3W/(RG) | 15/3W/(RG)
2SD1556 | 18/3W/(RG) | 18/3W/(RG)
**2 NOTE
COMBI-NATION | PR701 | L702
RMPTP0088CEZZ | RCILG0038MEZZ
RMPTP0026CEZZ | RCILG0032MEZZ
(NOTE)
MEAN CHIP RESISTOR (1/16W)
MEAN CHIP CAPACITORS
MEAN MELF RESISTOR
MEAN MELF CAPACITORS
(CHIP) RJ1 RJ10 RJ25 RJ3 RJ32 RJ33 RJ4 RJ49 RJ5 RJ51 RJ65 RJ7 RJ79 RJ81 RJ82 RJ83 RJ84 RJ85 RJ87 RJ89 RJ90 RJ93 RJ97
(MELF) RJ2 RJ21 RJ22 RJ23 RJ24 RJ50 RJ52 RJ53 RJ55 RJ56 RJ8 RJ91 RJ11 RJ12 RJ13 RJ14 RJ16 RJ17 RJ18 RJ19 RJ20 RJ26 RJ27 RJ28 RJ29 RJ30 RJ39 RJ40 RJ41 RJ45 RJ47 RJ48 RJ54 RJ57 RJ59 RJ60 RJ62 RJ63 RJ66 RJ68 RJ69 RJ73 RJ74 RJ75 RJ76 RJ77 RJ88 RJ9 RJ92 RJ94 RJ95 RJ96
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12

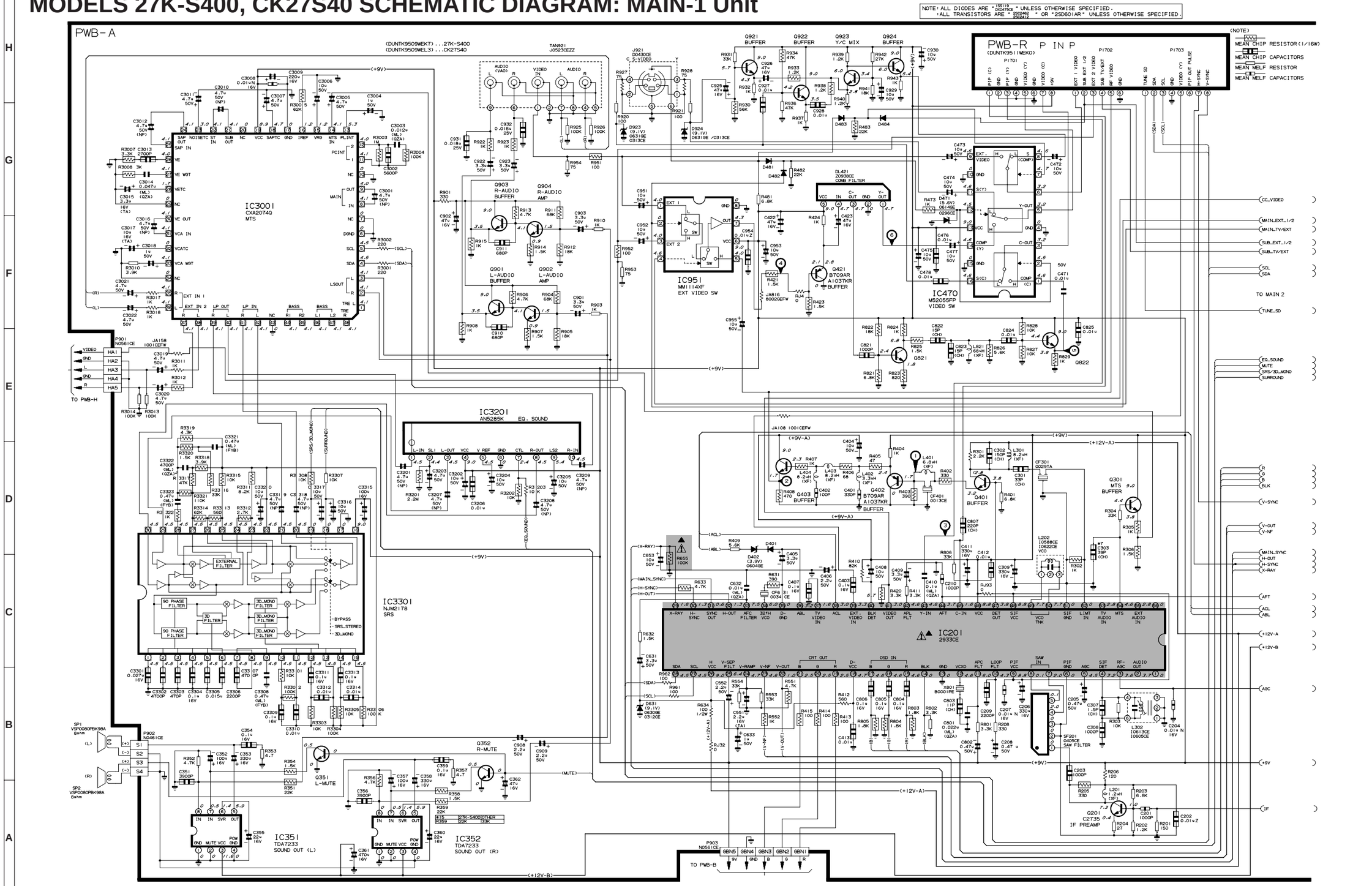
MODEL CK27S30 SCHEMATIC DIAGRAM: MAIN-1 Unit



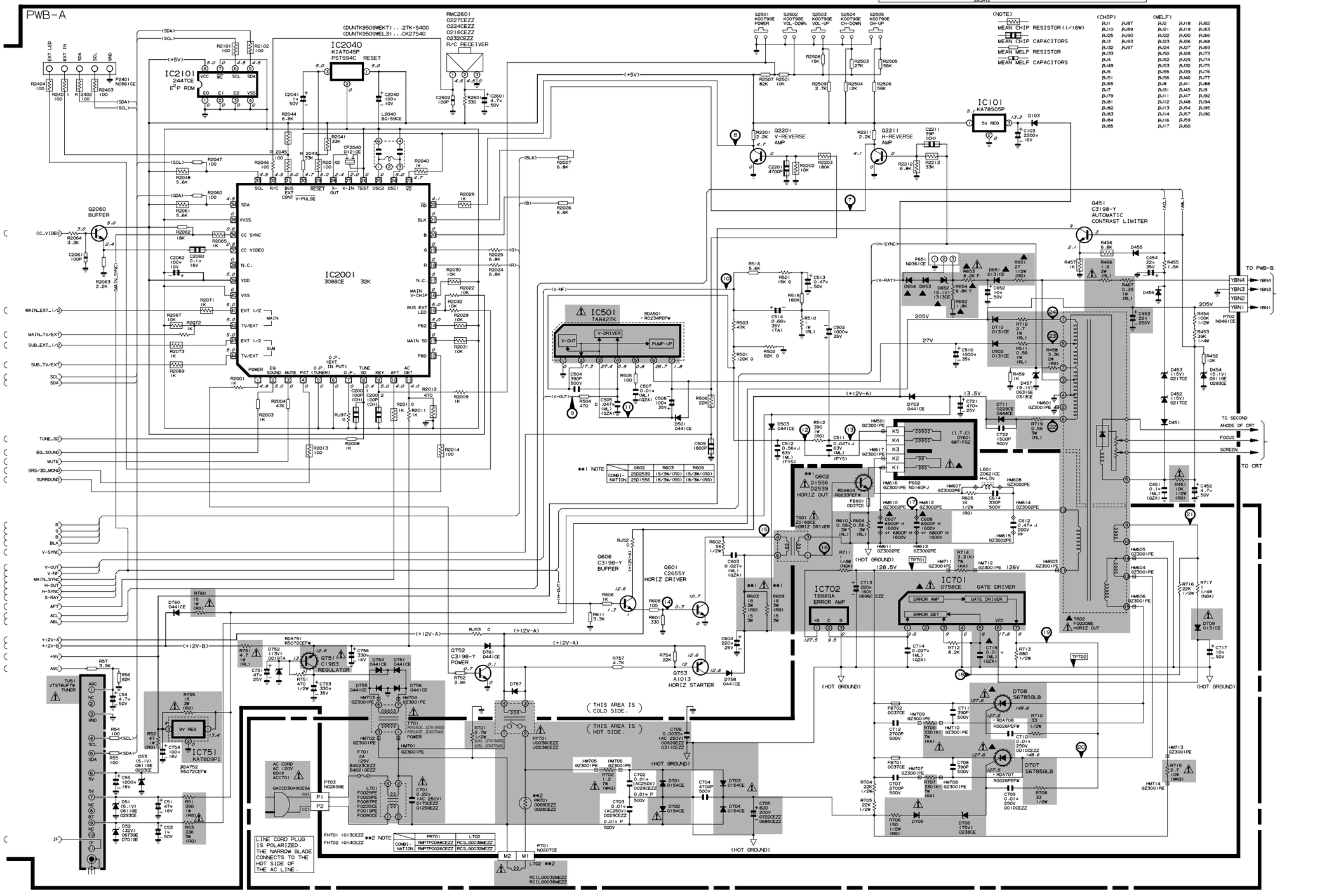
MODEL CK27S30 SCHEMATIC DIAGRAM: MAIN-2 Unit



MODELS 27K-S400, CK27S40 SCHEMATIC DIAGRAM: MAIN-1 Unit

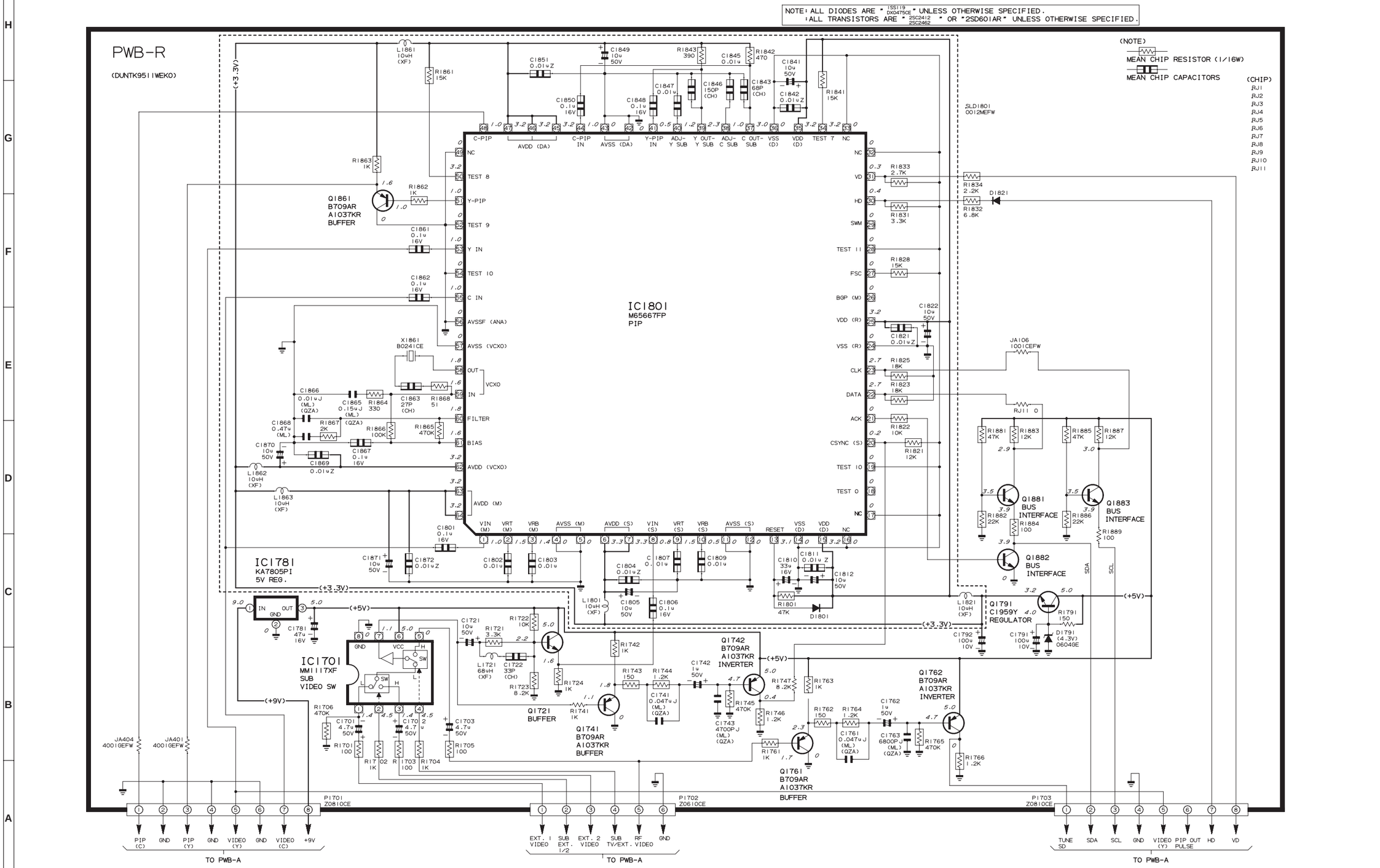


MODELS 27K-S400, CK27S40 SCHEMATIC DIAGRAM: MAIN-2 Unit

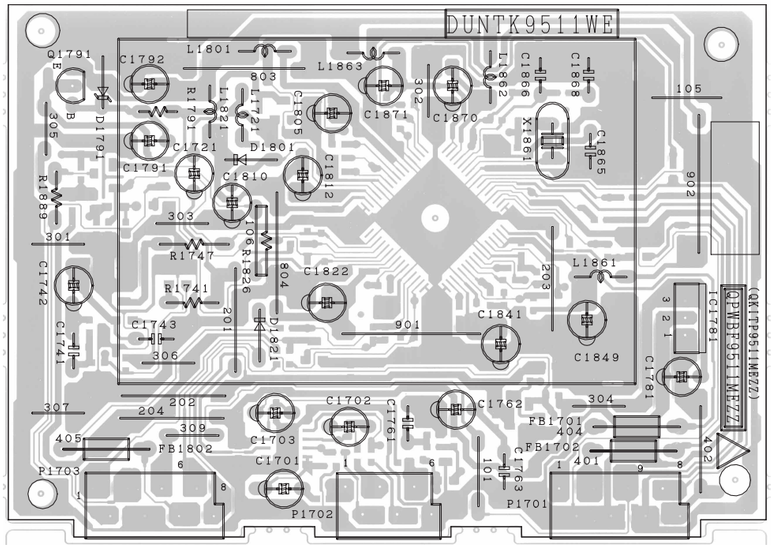

PWB-A
NOTE: ALL DIODES ARE "1SS119" UNLESS OTHERWISE SPECIFIED.
ALL TRANSISTORS ARE "2SC2462" OR "2SD601AR" UNLESS OTHERWISE SPECIFIED.
IC2040 KIA7045P PST994C RESET
IC2101 2447CE E²P ROM
IC2001 3088CE 32K
IC501 TA8427K
IC701 0758CE GATE DRIVER
IC702 T8889A ERROR AMP
IC751 KA7809PI
IC101 KA78S05P
Q2060 BUFFER
Q2201 V-REVERSE AMP
Q2211 H-REVERSE AMP
Q451 C3198-Y AUTOMATIC CONTRAST LIMITER
Q602 D1556 D2539 HORIZ OUT
Q606 C3198-Y BUFFER
Q601 C2655Y HORIZ DRIVER
Q751 C1983 REGULATOR
Q752 C3198-Y POWER
Q753 A1013 HORIZ STARTER
RMC2601 0227CEZZ 0224CEZZ 0216CEZZ 0232CEZZ R/C RECEIVER
S2501 S2502 S2503 S2504 S2505 K0079GE
(DUNTK9509WEK7)...27K-S400
(DUNTK9509WEL3)...CK27S40
TO PWB-B
TO SECOND ANODE OF CRT
TO CRT
(HOT GROUND)
(COLD GROUND)
THIS AREA IS COLD SIDE.
THIS AREA IS HOT SIDE.
LINE CORD PLUG IS POLARIZED. THE NARROW BLADE CONNECTS TO THE HOT SIDE OF THE AC LINE.

41 42

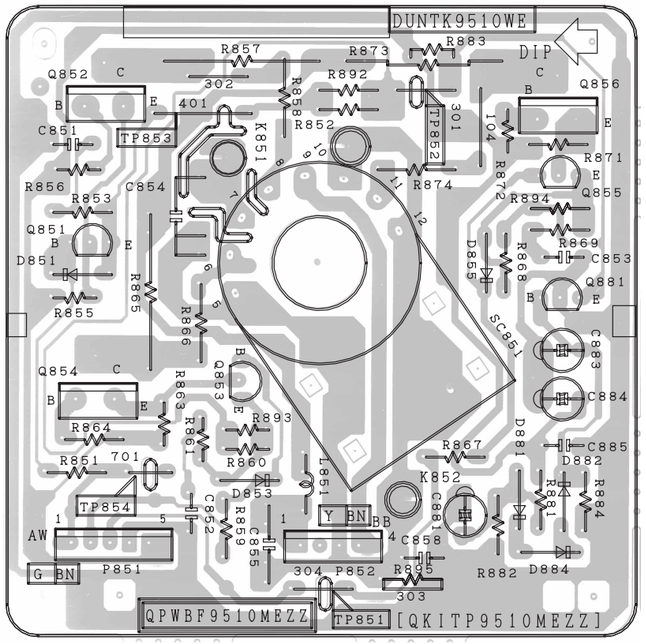
MODELS 27K-S300/400, CK27S30/40 SCHEMATIC DIAGRAM: P-IN-P Unit



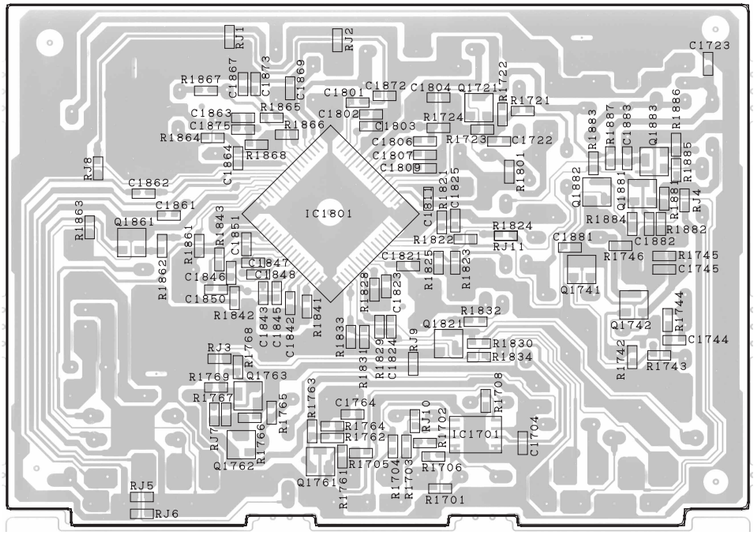
PRINTED WIRING BOARD ASSEMBLIES



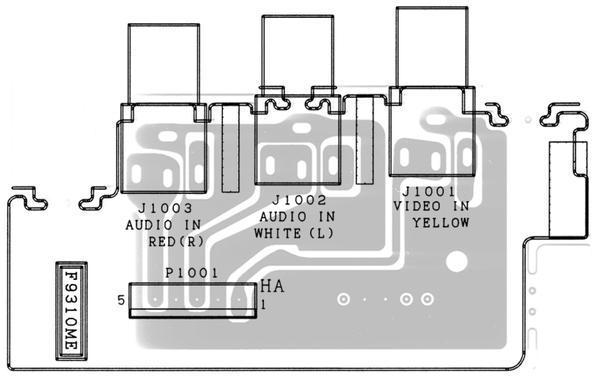
PWB-R : P-IN-P Unit (Wiring Side)



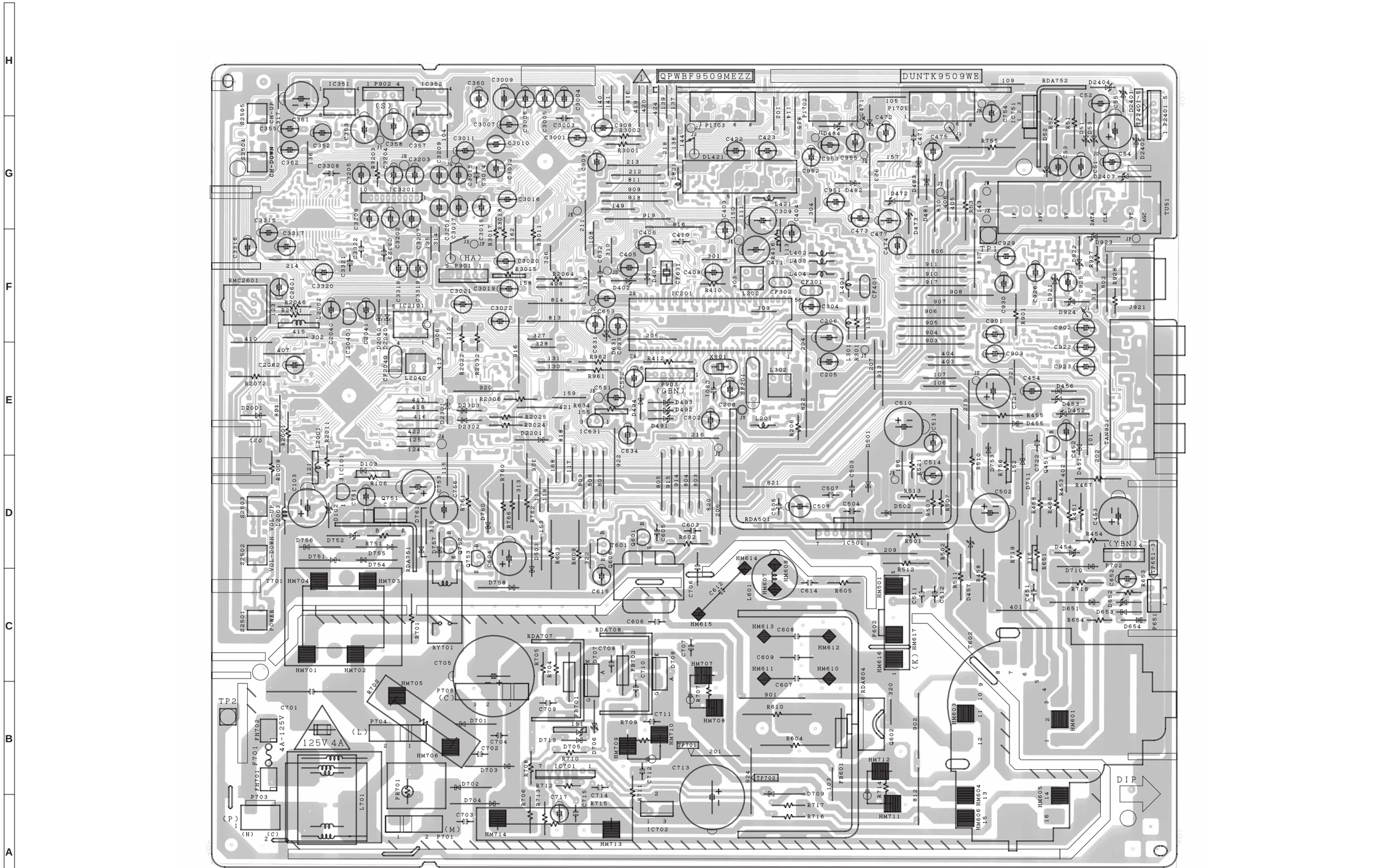
PWB-B : CRT Unit (Wiring Side)



PWB-R : P-IN-P Unit (Chip Parts Side)

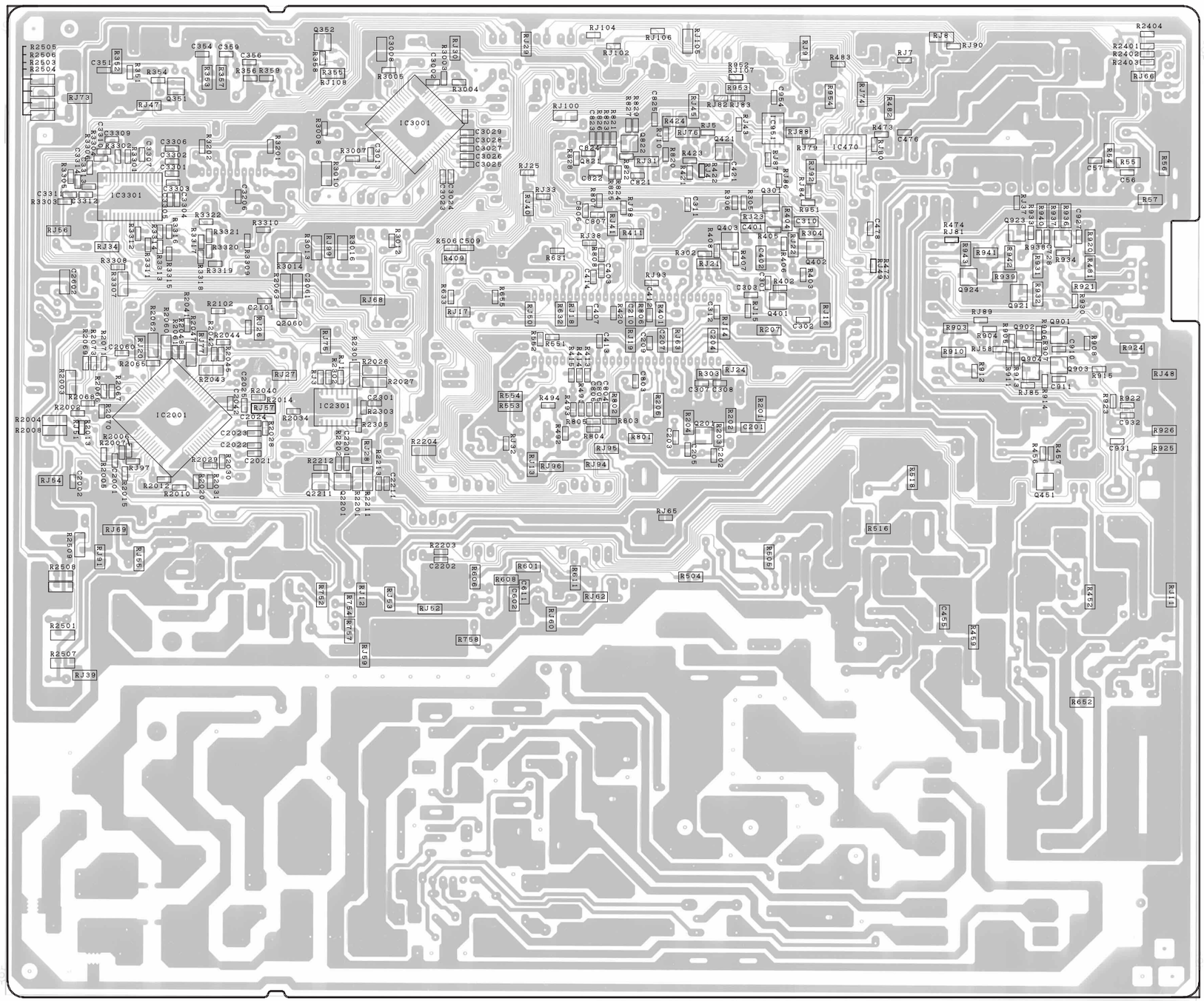


PWB-H : FRONT AV Unit (Wiring Side)



PWB-A : MAIN Unit (Wiring Side)

1	2	3	4	5	6	7	8	9	10	11	12



PWB-A : MAIN Unit (Chip Parts Side)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by ⚠ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which dose no have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER 2. REF. NO.
3. PART NO. 4. DESCRIPTION

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

MARK★: SPARE PARTS-DELIVERY SECTION

▲ MARK : X- RAY RELATED PARTS

LISTE DES PIECES

CHANGE DES PIECES

Les pi`eces de rechange qui pr élelesentent ces caract éleristiques sp éleciales de s élecurit éle, sont identifi élees dans ce manuel : les pi`eces élelectriques qui pr élesentent ces particularit éles, sont rep éler élee par la marque ⚠ et sont hachur élees dans les listes de pi`eces et dans les diagrammes sch élematiques.
La substitution d'une pi`ece de rechange par une autre qui ne pr éLesente pas les m éoemes caract éLeristiques de s élecurit éle que la pi`ece recommand élee parl'usine et dans ce manuel de service, peut provoquer une éLelectrocution, un incendie ou toutautre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

1. NUMERO DU MODELE 2. NO. DE REF
3. NO. DE PIECE 4. DESCRIPTION

in **CANADA**: Contact SHARP Electronics of Conada Limited Phone (416) 890-2100

★MARQUE: SECTION LIVRAISON DES PIECES DE RECHANGE

▲ MARQUE : PIECES RELATIVE AUX RAYONS X

Ref. No.	Part No.	★	Description	Code

PICTURE TUBE

▲⚠	V101	VB68ADT2506*S	M	Picture Tube	CP
⚠	L702	RCiLG0038MEZZ	M	Degaussing Coil (PR701:P0088CE)	AQ
		or			
		RCiLG0032MEZZ	M	Degaussing Coil (PR701:P0026CE)	AS
		MSPRT0002MEZZ	M	Spring for CRT	AA
		QEARC2702MEZZ	M	Ground-Part	AH

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

PWB-A	DUNTK9509WEK4	–	MAIN Unit (27K-S100)	—
PWB-A	DUNTK9509WEK5	–	MAIN Unit (27K-S180)	—
PWB-A	DUNTK9509WEK6	–	MAIN Unit (27K-S300)	—
PWB-A	DUNTK9509WEK7	–	MAIN Unit (27K-S400)	—
PWB-A	DUNTK9509WEL0	–	MAIN Unit (CK27S10)	—
PWB-A	DUNTK9509WEL1	–	MAIN Unit (CK27S18)	—
PWB-A	DUNTK9509WEL2	–	MAIN Unit (CK27S30)	—
PWB-A	DUNTK9509WEL3	–	MAIN Unit (CK27S40)	—
PWB-B	DUNTK9510WEK0	–	CRT Unit	—
PWB-H	DUNTK9310WEK1	–	FRONT AV Unit	—
PWB-R	DUNTK9511WEK0	–	P-IN-P Unit (27K-S300/400, CK27S30/40)	—

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)

MAIN UNIT

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY NOT INDEPENEDENTLY.

⚠	TU51	VTUVTST6UF78/	J	Tuner	BD

INTEGRATED CIRCUITS

	IC101	VHiKA78S05P-1	J	KIA78S05P	AD
▲⚠	IC201	RH-iX2933CEZZ	J	TA1268N	AX
	IC351	VHiTDA7233/-1	J	TDA7233	AF
	IC352	VHiTDA7233/-1	J	TDA7233	AF
⚠	IC501	VHiTA8427K/-1	J	TA8427K	AL
▲⚠	IC701	RH-iX0758CEZZ	J	T8150	AF
⚠	IC702	VHiT8889A//-1	J	T8889A	AL
⚠	IC751	VHiKA7809Pi-1	M	KIA7809PI	AE
	IC951	VHiMM1111XF1E	J	MM1111XFBE	AE
	IC2001	RH-iX3088CEZZ	M	I.C.	AU
	IC2040	VHiKiA7045P-1	J	KIA7045P	AD
	IC2101	RH-iX2447CEN1	J	ST24C01B6	AL
	IC3001	VHiCXA2074Q-1	M	CXA2074Q	AS

TRANSISTORS

You can substitute "VS2SD601AR/-1" for " VS2SC2462-C-1" for "VS2SC2412-C-1".

	Q201	VS2SC2735//1E	J	2SC2735	AC
	Q301	VS2SD601AR/-1	J	2SD601	AC
	Q351	VS2SD601AR/-1	J	2SD601	AC
	Q352	VS2SD601AR/-1	J	2SD601	AC

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

	Q401	VS2SD601AR/-1	J	2SD601	AC
	Q402	VS2SB709AR/-1	J	2SB709	AC
	Q403	VS2SD601AR/-1	J	2SD601	AC
	Q421	VS2SB709AR/-1	J	2SB709	AC
	Q451	VS2SD601AR/-1	J	2SD601	AC
	Q601	VS2SC2655Y/-1	J	2SC2655	AE
⚠	Q602	VS2SD1556//1E	J	2SD1556	AP
		or			
		VS2SD2539//1E	J	2SD2539	

	Q602	R603	R609
COMBI-	2SD1556	18/(3W)	18/(3W)
NATION	2SD2539	15/(3W)	15/(3W)

	Q606	VS2SC3198-Y-1	J	2SC3198(Y)	AA
⚠	Q751	VS2SC1983//-2	J	2SC1983	AF
	Q752	VS2SC3198-Y-1	J	2SC3198(Y)	AA
	Q753	VS2SA1013//1E	J	2SD601	AD
	Q901	VS2SD601AR/-1	J	2SD601 (CK27S18)	AC
	Q902	VS2SD601AR/-1	J	2SD601 (CK27S18)	AC
	Q903	VS2SD601AR/-1	J	2SD601 (CK27S18)	AC
	Q904	VS2SD601AR/-1	J	2SD601 (CK27S18)	AC
	Q2060	VS2SD601AR/-1	J	2SD601	AC
	Q2201	VS2SD601AR/-1	J	2SD601	AC
	Q2211	VS2SD601AR/-1	J	2SD601	AC

DIODES

You can substitute "VHD1SS119//-1" for "RH-DX0475CEZZ"

	D51	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
	D52	RH-EX0673GEZZ	M	Zener Diode,32V	AA
	D53	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
	D103	VHD1SS119//-1	J	1SS119	AB
	D401	VHD1SS119//-1	J	1SS119	AB
	D402	RH-EX0604GEZZ	J	Zener Diode,3.9V	AB
	D451	VHD1SS119//-1	J	1SS119	AB
	D452	RH-EX0217CEZZ	J	Zener Diode,15V	AB
	D453	RH-EX0217CEZZ	J	Zener Diode,15V	AB
	D454	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
	D455	VHD1SS119//-1	J	1SS119	AB
	D456	VHD1SS119//-1	J	1SS119	AB
	D457	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA
	D501	RH-DX0441CEZZ	J	Diode	AC
⚠	D502	RH-DX0131CEZZ	J	Diode	AC
	D503	RH-DX0441CEZZ	J	Diode	AC
	D631	RH-EX0630GEZZ	J	Zener Diode,9.1V	AA
		or			
		RH-EX0312CEZZ	J		
▲⚠	D651	RH-DX0131CEZZ	J	Diode	AC
▲⚠	D652	RH-EX1313CEZZ	M	Zener Diode,9.1V	AB
▲⚠	D653	VHD1SS119//-1	J	1SS119	AB
▲⚠	D654	VHD1SS119//-1	J	1SS119	AB
⚠	D701	RH-DX0154CEZZ	J	Diode	AC
⚠	D702	RH-DX0154CEZZ	J	Diode	AC

Ref. No.	Part No.	★	Description	Code

⚠	D703	RH-DX0154CEZZ	J	Diode	AC
⚠	D704	RH-DX0154CEZZ	J	Diode	AC
⚠	D705	VHD1SS119//-1	J	1SS119	AB
⚠	D706	RH-EX0238CEZZ	J	Zener Diode,75V	AC
▲⚠	D707	VHSS6785GLB2E	J	Si.Control Rectifier	AL
▲⚠	D708	VHSS6785GLB2E	J	Si.Control Rectifier	AL
⚠	D709	RH-DX0131CEZZ	J	Diode	AC
⚠	D710	RH-DX0131CEZZ	J	Diode	AC
⚠	D711	RH-DX0229CEZZ	J	Diode	AF
		or			
		RH-DX0444CEZZ	J		
⚠	D751	RH-DX0441CEZZ	J	Diode	AC
	D752	RH-EX0019TAZZ	J	Zener Diode,13V	AB
	D753	RH-DX0441CEZZ	J	Diode	AC
⚠	D754	RH-DX0441CEZZ	J	Diode	AC
⚠	D755	RH-DX0441CEZZ	J	Diode	AC
⚠	D756	RH-DX0441CEZZ	J	Diode	AC
	D757	VHD1SS119//-1	J	Diode	AB
	D758	RH-DX0441CEZZ	J	Diode	AC
	D760	RH-DX0441CEZZ	J	Diode	AC
	D761	RH-DX0441CEZZ	J	Diode	AC
	D2001	VHD1SS119//-1	J	Diode	AB

PACKAGED CIRCUITS

⚠	PR701	RMPTP0088CEZZ	M	Packaged Circuit	AF
		or			
		RMPTP0026CEZZ	J		
	X801	RCRSB0001PEZZ	R	Crystal 3.58MHz	AL

FILTERS

CF301	RFiLC0029TAZZ	J	Ceramic Filter	AD
CF401	RFiLC0013CEZZ	J	Ceramic Filter	AE
CF631	RFiLA0034CEZZ	J	Ceramic Filter	AD
CF2040	RFiLC0121GEZZ	J	Ceramic Filter	AD
SF201	RFiLC0405CEZZ	J	Surface Acoustic Wave Filter	AH

COILS

L201	VP-XF1R2K0000	J	Peaking 1.2µH	AB
L202	RCiLi0588CEZZ	J	IF Coil	AF
	or			
	RCiLi0822CEZZ	J		
L301	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L302	RCiLi0613CEZZ	J	IF Coil	AE
	or			
	RCiLi0615CEZZ	J		
L401	VP-XF6R8K0000	J	Peaking 6.8µH	AB
L402	VP-XF3R3K0000	J	Peaking 3.3µH	AB
L403	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L404	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L421	VP-XF680K0000	J	Peaking 68µH	AB
L601	RCiLZ0621CEZZ	J	Coil	AH

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

⚠ L701	RCiLF0025PEZZ	M	Coil (27K-S100/180)		AE
	or				
	RCiLF0029PEZZ	R			
	or				
	RCiLF0087PEZZ	R			
	or				
	RCiLF0235CEZZ	R			
	or				
	RCiLF0019PEZZ	R			
	or				
	RCiLF0090CEZZ	J			AM
⚠ L701	RCiLF0090CEZZ	J	Coil (CK27S10/18)		AM
L2040	RCiLB0159CEZZ	M	Oscillation Coil		AD

TRANSFORMERS

⚠ T601	RTRNZ0168CEZZ	J	H-Driver		AH
▲⚠ T602	RTRNF0020MEZZ	M	H-Out		BC
⚠ T701	RTRNP0416CEZZ	J	Power (27K-S100/180)		AV
⚠ T701	RTRNP0516CEZZ	J	Power (CK27S10/18)		AV

CAPACITORS

[EL.··· Electrolytic, M-Poly.··· Metalized Polypro Film]

C51	VCEA0A1CW476M	J	47	16V	EL.	AB
C53	VCEA0A1HW105M	J	1	50V	EL.	AB
C54	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C55	VCEA0A1CW108M	J	1000	16V	EL.	AD
C103	VCEA0A1CW228M	M	2200	16V	EL.	AC
C201	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C203	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C204	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C205	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C206	VCEA0A1CW337M	J	330	16V	EL.	AC
C207	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C208	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C209	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C210	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C301	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C302	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C303	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C307	VCCCCY1HH1R5C	J	1.5p	50V	Ceramic	AD
C308	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C309	VCEA0A1CW337M	J	330	16V	EL.	AC
C351	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C352	VCEA0A1CW107M	J	100	16V	EL.	AC
C353	VCEA0A1CW337M	J	330	16V	EL.	AC
C354	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C355	VCEA0A1CW226M	J	22	16V	EL.	AB
C356	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C357	VCEA0A1CW107M	J	100	16V	EL.	AC
C358	VCEA0A1CW337M	J	330	16V	EL.	AC
C359	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C360	VCEA0A1CW226M	J	22	16V	EL.	AB
C361	VCEA0A1CW477M	J	470	16V	EL.	AC
C362	VCEA0A1CW476M	J	47	16V	EL.	AB
C401	VCKYMN1HB331K	J	330p	50V	Ceramic	AA
C402	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C403	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C404	VCEA0A1HW106M	J	10	50V	EL.	AB
C405	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C406	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C408	VCEA0A1HW106M	J	10	50V	EL.	AB
C409	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C410	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C411	VCEA0A1CW337M	J	330	16V	EL.	AC
C412	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C413	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C414	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C421	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C422	VCEA0A1CW476M	J	47	16V	EL.	AB
C451	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C452	VCEA0A1HW475M	J	4.7	50V	EL.	AB
⚠ C453	VCEA0A2EW226M	M	22	250V	EL.	AD
C454	VCEA0A1CW226M	J	22	16V	EL.	AB
C502	VCEA0A1VW108M	J	1000	35V	EL.	AD
C504	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C505	RC-QZA473TAYK	J	0.047	50V	Mylar	AB
C507	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C508	VCEA0A1VW107M	J	100	35V	EL.	AC
C510	VCEA0A1VW108M	J	1000	35V	EL.	AD
C511	VCFYSA1JA473J	J	0.047	63V	Mylar	AC
C512	VCFYSA1JA564J	J	0.56	63V	Mylar	AE
C513	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C514	VCSATA1VE684K	J	0.68	35V	Tantalum	AC
C551	VCSATA1CE225K	J	2.2	16V	Tantalum	AB
C552	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C603	RC-QZA273TAYK	J	0.027	50V	Mylar	AB
C604	VCEA0A1EW227M	M	220	25V	EL.	AA
▲⚠ C607	VCFPPD3CA692H	M	6900p	1.6kV	M-Poly.	AC
▲⚠ C608	VCFPPD3CA692H	M	6900p	1.6kV	M-Poly.	AC
C612	VCFPPD2DB474J	J	0.47	200V	M-Poly.	AE
C614	VCKYPA2HB331K	J	330p	500V	Ceramic	AA
C631	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C632	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C633	VCEA0A1HW105M	J	1	50V	EL.	AB
C652	VCEA0A1HW106M	J	10	50V	EL.	AB
C653	VCEA0A1HW106M	J	10	50V	EL.	AB
⚠ C701	RC-FZ017SCEZZ	J	0.22	AC250V	Plastic	AD
C702	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
C703	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
C704	VCKYPA2HB472K	J	4700p	500V	Ceramic	AB
⚠ C705	RC-EZ0722CEZZ	M	820	200V	EL.	AL
	or					
	RC-EZ0685CEZZ	J				
	or					
	RC-EZ0657CEZZ	J				
	or					
	RC-EZ0395CEZZ	J				

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
⚠ C706	RC-KZ0092GEZZ	J	0.0033	AC250V	Ceramic	AC
	or					
	RC-KZ0311CEZZ	J				
C707	VCKYPA2HB272K	J	2700p	500V	Ceramic	AA
C708	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C709	RC-QZ0010CEZZ	J	0.01	250V	Ceramic	AC
C710	RC-QZ0010CEZZ	J	0.01	250V	Ceramic	AC
C711	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C712	VCKYPA2HB272K	J	2700p	500V	Ceramic	AA
⚠ C713	RC-EZ0696CEZZ	M	220	160V	EL.	AG
C714	RC-QZA273TAYK	J	0.027	50V	Mylar	AB
▲⚠ C715	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C717	VCEA0A1HW106M	J	10	50V	EL.	AB
C721	VCEA0A1EW477M	J	470	25V	EL.	AD
C722	VCKYPA2HB152K	J	1500p	500V	Ceramic	AA
C751	VCEA0A1EW476M	J	47	25V	EL.	AB
C753	VCEA0A1VW337M	J	330	35V	EL.	AD
C754	VCEA0A1CW107M	J	100	16V	EL.	AC
C756	VCEA0A1CW337M	J	330	16V	EL.	AC
C801	RC-QZA223TAYK	J	0.022	50V	Mylar	AB
C802	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C803	VCCCCY1HH110J	J	11p	50V	Ceramic	AA
C804	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C805	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C806	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C807	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C808	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C901	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S18)	AB
C902	VCEA0A1CW476M	J	47	16V	EL.(CK27S18)	AB
C903	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S18)	AB
C908	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C909	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C910	VCKYCY1HB681K	J	680p	50V	Ceramic (CK27S18)	AA
C911	VCKYCY1HB681K	J	680p	50V	Ceramic (CK27S18)	AA
C922	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S18)	AB
C923	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S18)	AB
C931	VCKYCY1EB183K	J	0.018	25V	Ceramic (CK27S18)	AA
C932	VCKYCY1EB183K	J	0.018	25V	Ceramic (CK27S18)	AA
C951	VCEA0A1HW106M	J	10	50V	EL.	AB
C952	VCEA0A1HW106M	J	10	50V	EL.	AB
C953	VCEA0A1HW106M	J	10	50V	EL.	AB
C954	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C2001	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2002	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2040	VCEA0A1AW107M	J	100	10V	EL.	AB
C2041	VCEA0A1HW105M	J	1	50V	EL.	AB
C2060	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C2061	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C2062	VCEA0A1AW107M	J	100	10V	EL.	AB
C2201	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C2211	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C2601	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C2602	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C3001	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3002	VCKYCY1HB562K	J	5600p	50V	Ceramic	AA
C3003	RC-QZA123TAYK	J	0.012	50V	Mylar	AB
C3004	VCEA0A1HW105M	J	1	50V	EL.	AB
C3005	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3006	VCEA0A1HW106M	J	10	50V	EL.	AB
C3007	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3008	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C3009	VCEA0A1CW227M	J	220	16V	EL.	AC
C3010	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3011	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3012	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3013	VCKYCY1HB272K	J	2700p	50V	Ceramic	AA
C3014	RC-QZA473TAYK	J	0.047	50V	Mylar	AB
C3015	VCSATA1CE335K	J	3.3	16V	Tantalum	AC
C3016	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3017	VCSATA1CE106K	J	10	16V	Tantalum	AD
C3018	VCEA0A1HW105M	J	1	50V	EL.	AB
C3019	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3020	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3021	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3022	VCEA0A1HW475M	J	4.7	50V	EL.	AB

RESISTORS

[M-Ox.··· Metal Oxide, M-Film··· Metal Film]

RJ1	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ2	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ3	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ5	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ7	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ12	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ13	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ14	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ15	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ16	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ17	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ18	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ19	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ20	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ21	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ26	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ27	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ28	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ30	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ32	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ38	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ39	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ40	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ41	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ43	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ45	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ47	VRD-MN2BE000J	J	0	1/8W	Carbon	AA

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

Ref. No.	Part No.	★		Description		Code
RJ48	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ50	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ52	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ53	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ54	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ56	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ59	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ60	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ62	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ63	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ65	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ66	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ68	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ69	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ73	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ75	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ76	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ77	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ79	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ82	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ83	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ87	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ88	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ90	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ91	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ94	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ95	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ96	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ97	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ99	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ100	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ107	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ108	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
⚠ R51	VRS-RG3AB391J	M	390	1W	M-Ox.	AA
⚠ R52	VRS-RG3AB470J	J	47	1W	M-Ox.	AA
⚠ R53	VRS-RG3LB333J	J	33k	3W	M-Ox.	AC
R54	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R55	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R56	VRD-MN2BE823J	J	82k	1/8W	Carbon	AA
R57	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R201	VRD-MN2BE151J	J	150	1/8W	Carbon	AA
R202	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R203	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R204	VRD-MN2BE270J	J	27	1/8W	Carbon	AA
R205	VRS-CY1JF331J	J	330	1/16W	M-Ox.	AA
R206	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R207	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R208	VRD-MN2BE331J	J	330	1/8W	Carbon	AA
R301	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R302	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R303	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R304	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R305	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R306	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R351	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R352	VRD-MN2BE472J	J	4.7k	1/8W	Carbon	AA
R353	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R354	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R356	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R357	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R358	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R359	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R401	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R402	VRS-CY1JF331J	J	330	1/16W	M-Ox.	AA
R403	VRS-CY1JF391J	J	390	1/16W	M-Ox.	AA
R404	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R405	VRS-CY1JF470J	J	47	1/16W	M-Ox.	AA
R406	VRS-CY1JF680J	J	68	1/16W	M-Ox.	AA
R407	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R408	VRS-CY1JF471J	J	470	1/16W	M-Ox.	AA
R409	VRD-MN2BE562J	J	5.6k	1/8W	Carbon	AA
R410	VRD-RA2BE823J	J	82k	1/8W	Carbon	AA
R411	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R412	VRD-RA2BE561J	J	560	1/8W	Carbon	AA
R413	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R414	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R415	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R421	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R422	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R423	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R424	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
⚠ R451	VRS-RG2HC103J	J	10k	1/2W	M-Ox.	AA
R452	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R453	VRD-RA2EE393J	J	39k	1/4W	Carbon	AA
R454	VRD-RM2HD104J	J	100k	1/2W	Carbon	AA
R455	VRD-RA2BE152J	J	1.5k	1/8W	Carbon	AA
R456	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R457	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
⚠ R458	VRS-RG3DB332J	M	3.3k	2W	M-Ox.	AA
R459	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
⚠ R466	VRN-RL3DB1R5J	M	1.5	2W	M-Film	AA
⚠ R467	VRN-RL3ABR39J	M	0.39	1W	M-Film	AA
R501	VRD-RA2BE124G	J	120k	1/8W	Carbon	AA
R502	VRD-RA2BE823G	J	82k	1/8W	Carbon	AB
R503	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R504	VRD-MN2BE471J	J	470	1/8W	Carbon	AA
R505	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R510	VRN-RL3AB1R0J	M	1	1W	M-Film	AA
⚠ R511	VRN-RL3ABR56J	J	0.56	1W	M-Film	AA
R512	VRS-RG3AB391J	M	390	1W	M-Ox.	AA
R516	VRD-MN2BE562J	J	5.6k	1/8W	Carbon	AA
R518	VRD-MN2BE184J	J	180k	1/8W	Carbon	AA
R521	VRD-RA2BE153G	J	15k	1/8W	Carbon	AA
R551	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R552	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R553	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R554	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R601	VRD-MN2BE331J	J	330	1/8W	Carbon	AA
R602	VRD-RM2HD560J	J	56	1/2W	Carbon	AA

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
⚠ R603	VRS-RG3LB180J	J	18 3W M-Ox. (Q602:2SD1556)	AD
	or			
	VRS-RG3LB150J	J	15 3W M-Ox. (Q602:2SD2539)	
⚠ R604	VRN-RL3LBR56J	M	0.56 3W M-Film	AA
R605	VRS-RG2HC102J	J	1k 1/2W M-Ox.	AA
R606	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R608	VRD-MN2BE101J	J	100 1/8W Carbon	AA
⚠ R609	VRS-RG3LB180J	J	18 3W M-Ox. (Q602:2SD1556)	AD
	or			
	VRS-RG3LB150J	J	15 3W M-Ox. (Q602:2SD2539)	
⚠ R610	VRN-RL3LBR56J	M	0.56 3W M-Film	AA
R611	VRD-MN2BE332J	J	3.3k 1/8W Carbon	AA
R631	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R632	VRD-MN2BE152J	J	1.5k 1/8W Carbon	AA
R633	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R634	VRD-RM2HD101J	J	100 1/2W Carbon	AA
▲⚠ R651	VRS-RG2HC270J	M	27 1/2W M-Ox.	AA
▲⚠ R652	VRD-MN2BE182J	J	1.8k 1/8W Carbon	AA
▲⚠ R653	VRN-RA2BK822F	J	8.2k 1/8W M-Film	AA
▲⚠ R654	VRN-RA2BK682F	J	6.8k 1/8W M-Film	AA
▲⚠ R655	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
⚠ R701	VRC-UA2HG275K	J	2.7M 1/2W Solid (27K-S100/180)	AA
⚠ R701	VRC-UB2HG275K	J	2.7M 1/2W Solid (CK27S10/18)	AB
⚠ R702	VRW-KQ3NC1R2K	J	1.2 7W Cement	AE
R704	VRD-RM2HD223J	J	22k 1/2W Carbon	AA
R705	VRD-RM2HD223J	J	22k 1/2W Carbon	AA
⚠ R706	VRS-RG2HC151J	J	150 1/2W M-Ox.	AA
⚠ R707	VRS-KA3NG331K	M	330 7W M-Ox.	AC
⚠ R708	VRD-RM2HD330J	J	33 1/2W Carbon	AA
⚠ R709	VRS-KA3NG331K	M	330 7W M-Ox.	AC
⚠ R710	VRD-RM2HD330J	J	33 1/2W Carbon	AA
⚠ R711	VRN-GA2EB1R0J	J	1 1/4W M-Film	AA
R712	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R713	VRD-RM2HD681J	J	680 1/2W Carbon	AA
⚠ R714	VRS-KA3NG3R3K	J	3.3 7W M-Ox.	AD
⚠ R715	VRW-KQ4AC2R7K	J	2.7 10W Cement	AE
R716	VRD-RM2HD223J	J	22k 1/2W Carbon	AA
R717	VRN-GA2EB1R0J	J	1 1/4W M-Film	AA
⚠ R718	VRN-RL3AB2R7J	M	2.7 1W M-Film	AA
⚠ R719	VRN-RL3DBR56J	M	0.56 2W M-Film	AA
R751	VRD-RM2HD471J	J	470 1/2W Carbon	AA
R752	VRD-MN2BE392J	J	3.9k 1/8W Carbon	AA
R754	VRD-MN2BE223J	J	22k 1/8W Carbon	AA
⚠ R755	VRS-RG3DB270J	J	27 2W M-Ox.	AC
R757	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA
⚠ R760	VRS-RG3AB150J	M	15 1W M-Ox.	AA
⚠ R761	VRN-RL3AB4R7J	J	4.7 1W M-Film	AB
R801	VRD-MN2BE332J	J	3.3k 1/8W Carbon	AA
R802	VRD-MN2BE332J	J	3.3k 1/8W Carbon	AA
R803	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA
R804	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA
R805	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA
R806	VRD-MN2BE333J	J	33k 1/8W Carbon	AA
R807	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA
R808	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R901	VRD-RA2BE331J	J	330 1/8W Carbon (CK27S18)	AA
R903	VRD-MN2BE102J	J	1k 1/8W Carbon (CK27S18)	AA
R904	VRS-CY1JF683J	J	68k 1/16W M-Ox. (CK27S18)	AA
R905	VRS-CY1JF183J	J	18k 1/16W M-Ox. (CK27S18)	AA
R906	VRS-CY1JF472J	J	4.7k 1/16W M-Ox. (CK27S18)	AA
R907	VRS-CY1JF152J	J	1.5k 1/16W M-Ox. (CK27S18)	AA
R908	VRS-CY1JF102J	J	1k 1/16W M-Ox. (CK27S18)	AA
R910	VRD-MN2BE102J	J	1k 1/8W Carbon (CK27S18)	AA
R911	VRS-CY1JF683J	J	68k 1/16W M-Ox. (CK27S18)	AA
R912	VRS-CY1JF183J	J	18k 1/16W M-Ox. (CK27S18)	AA
R913	VRS-CY1JF472J	J	4.7k 1/16W M-Ox. (CK27S18)	AA
R914	VRS-CY1JF152J	J	1.5k 1/16W M-Ox. (CK27S18)	AA
R915	VRS-CY1JF102J	J	1k 1/16W M-Ox. (CK27S18)	AA
R922	VRS-CY1JF102J	J	1k 1/16W M-Ox. (CK27S18)	AA
R923	VRS-CY1JF102J	J	1k 1/16W M-Ox. (CK27S18)	AA
R924	VRD-MN2BE750J	J	75 1/8W Carbon	AA
R925	VRD-MN2BE104J	J	100k 1/8W Carbon	AA
R926	VRD-MN2BE104J	J	100k 1/8W Carbon	AA
R951	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R961	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R962	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R2001	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2002	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R2004	VRD-MN2BE473J	J	47k 1/8W Carbon	AA
R2006	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R2007	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
R2008	VRD-MN2BE224J	J	220k 1/8W Carbon	AA
R2009	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2010	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R2011	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2012	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R2020	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R2022	VRD-RA2BE103J	J	10k 1/8W Carbon	AA

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

Ref. No.	Part No.	★				Code
R2024	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R2025	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R2026	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R2027	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R2028	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2029	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2030	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2031	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2032	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2040	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2041	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R2042	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2043	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R2044	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R2045	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2046	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R2047	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R2048	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R2060	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R2061	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R2062	VRD-MN2BE183J	J	18k	1/8W	Carbon	AA
R2063	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2064	VRD-RA2BE332J	J	3.3k	1/8W	Carbon	AA
R2065	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2067	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2068	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2070	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2071	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2101	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2102	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2201	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2202	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2203	VRS-CY1JF184J	J	180k	1/16W	M-Ox.	AA
R2211	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2212	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R2213	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R2401	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2402	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2403	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2404	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2501	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R2503	VRD-MN2BE273J	J	27k	1/8W	Carbon	AA
R2504	VRD-MN2BE123J	J	12k	1/8W	Carbon	AA
R2505	VRD-MN2BE563J	J	56k	1/8W	Carbon	AA
R2506	VRD-MN2BE563J	J	56k	1/8W	Carbon	AA
R2507	VRD-MN2BE823J	J	82k	1/8W	Carbon	AA
R2508	VRD-MN2BE153J	J	15k	1/8W	Carbon	AA
R2509	VRD-MN2BE272J	J	2.7k	1/8W	Carbon	AA
R2601	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R3001	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3002	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3003	VRS-CY1JF105J	J	1M	1/16W	M-Ox.	AA
R3004	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
R3005	VRS-CY1JF623J	J	62k	1/16W	M-Ox.	AA
R3007	VRS-CY1JF332J	J	3.3k	1/16W	M-Ox.	AA
R3008	VRS-CY1JF302J	J	3k	1/16W	M-Ox.	AA
R3010	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R3011	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3012	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R3013	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R3014	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R3015	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R3016	VRD-MN2BE750J	J	75	1/8W	Carbon	AA
R3017	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3018	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA

SWITCHES

S2501	QSW-K0079GEZZ	J	Power	AB
S2502	QSW-K0079GEZZ	J	Vol-down	AB
S2503	QSW-K0079GEZZ	J	Vol-up	AB
S2504	QSW-K0079GEZZ	J	CH-down	AB
S2505	QSW-K0079GEZZ	J	CH-up	AB

MISCELLANEOUS PARTS

⚠ RY701	RRLYU0036CEZZ	J	Relay		AM
	or				
	RRLYU0038CEZZ	J			AM
⚠ F701	QFS-B4023CEZZ	J	Fuse 4A (125V)		AC
	or				
	QFS-B4021GEZZ	J			AE
FB601	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB701	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB702	RBLN-0037CEZZ	J	Ferrite Bead		AB
FH701	QFSHD1013CEZZ	J	Fuse Holder		AC
FH702	QFSHD1014CEZZ	J	Fuse Holder		AC
P602	QPLGN0160FJZZ	J	Plug 5-pin(K)		AD
P651	QPLGN0361CEZZ	J	Plug 3-pin		AB
P701	QPLGN0207CEZZ	J	Plug 2-pin(M)		AA
P702	QPLGN0461CEZZ	J	Plug 4-pin(YBN)		AB
P703	QPLGN0269GEZZ	J	Plug 2-pin(P)		AB
P901	QPLGN0561CEZZ	J	Plug 5-pin(HA)		AB
P902	QPLGN0461CEZZ	J	Plug 4-pin(S)		AB
P903	QPLGN0561CEZZ	J	Plug 5-pin(GBN)		AB
P2401	QPLGN0561CEZZ	J	Plug 5-pin		AB
RMC2601	RRMCU0227CEZZ	J	Remote Receiver		AK
	or				
	RRMCU0224CEZZ	J			AM
	or				
	RRMCU0216CEZZ	J			AK
	or				
	RRMCU0232CEZZ	J			
RDA501	PRDAR0234PEFW	R	Heat Sink, IC501		AH
RDA604	PRDAR0233PEFW	M	Heat Sink, Q602		AE
RDA707	PRDAR0026PEFW	R	Heat Sink, D707		AD
RDA708	PRDAR0026PEFW	R	Heat Sink, D708		AD
RDA751	PRDAR5072CEFW	J	Heat Sink, Q751		AC

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK4(27K-S100)
PWB-A: DUNTK9509WEK5(27K-S180)
PWB-A: DUNTK9509WEL0(CK27S10)
PWB-A: DUNTK9509WEL1(CK27S18)
MAIN UNIT (Continued)

TAN921	QTANJ0323CEZZ	M	AV Terminal (27K-S100/180, CK27S10)	AF
TAN921	QTANJ0523CEZZ	M	AV Terminal(CK27S18)	AG
	LX-BZ3049GEFD	J	Screw	AA

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY NOT INDEPENEDENTLY.

⚠	TU51	VTUVTST6UF78/	J	Tuner	BD

INTEGRATED CIRCUITS

	IC101	VHiKA78S05P-1	J	KIA78S05P	AD
▲⚠	IC201	RH-iX2933CEZZ	J	TA1268N	AX
	IC351	VHiTDA7233/-1	J	TDA7233	AF
	IC352	VHiTDA7233/-1	J	TDA7233	AF
	IC470	VHiM52055FP-1	J	M52055FP	AH
▲⚠	IC501	VHiTA8427K/-1	J	TA8427K	AL
▲⚠	IC701	RH-iX0758CEZZ	J	T8150	AF
⚠	IC702	VHiT8889A//-1	J	T8889A	AL
⚠	IC751	VHiKA7809Pi-1	M	KIA7809PI	AE
	IC951	VHiMM1114XF1E	M	MM1114XFBE	AE
	IC2001	RH-iX3088CEZZ	M	I.C.	AU
	IC2040	VHiKiA7045P-1	J	KIA7045P	AD
	IC2101	RH-iX2447CEN1	J	ST24C01B6	AL
	IC3001	VHiCXA2074Q-1	M	CXA2074Q	AS

TRANSISTORS

You can substitute "VS2SD601AR/-1" for " VS2SC2462-C-1" for "VS2SC2412-C-1".

	Q201	VS2SC2735//1E	J	2SC2735	AC
	Q301	VS2SD601AR/-1	J	2SD601	AC
	Q351	VS2SD601AR/-1	J	2SD601	AC
	Q352	VS2SD601AR/-1	J	2SD601	AC
	Q401	VS2SD601AR/-1	J	2SD601	AC
	Q402	VS2SB709AR/-1	J	2SB709	AC
	Q403	VS2SD601AR/-1	J	2SD601	AC
	Q421	VS2SB709AR/-1	J	2SB709	AC
	Q451	VS2SD601AR/-1	J	2SD601	AC
	Q601	VS2SC2655Y/-1	J	2SC2655	AE
⚠	Q602	VS2SD1556//1E	J	2SD1556	AP
		or			
		VS2SD2539//1E		2SD2539	

	Q602	R603	R609
COMBI-NATION	2SD1556	18/(3W)	18/(3W)
	2SD2539	15/(3W)	15/(3W)

	Q606	VS2SC3198-Y-1	J	2SC3198(Y)	AA
⚠	Q751	VS2SC1983//-2	J	2SC1983	AF
	Q752	VS2SC3198-Y-1	J	2SC3198(Y)	AA
	Q753	VS2SA1013//1E	J	2SA1013	AD
	Q821	VS2SD601AR/-1	J	2SD601	AC
	Q822	VS2SD601AR/-1	J	2SD601	AC
	Q901	VS2SD601AR/-1	J	2SD601(CK27S30)	AC
	Q902	VS2SD601AR/-1	J	2SD601(CK27S30)	AC
	Q903	VS2SD601AR/-1	J	2SD601(CK27S30)	AC
	Q904	VS2SD601AR/-1	J	2SD601(CK27S30)	AC
	Q921	VS2SD601AR/-1	J	2SD601	AC
	Q922	VS2SD601AR/-1	J	2SD601	AC
	Q923	VS2SD601AR/-1	J	2SD601	AC
	Q924	VS2SD601AR/-1	J	2SD601	AC

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

Q2060	VS2SD601AR/-1	J	2SD601	AC
Q2201	VS2SD601AR/-1	J	2SD601	AC
Q2211	VS2SD601AR/-1	J	2SD601	AC

DIODES

You can substitute "VHD1SS119//-1" for " RH-DX0475CEZZ".

D51	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
D52	RH-EX0673GEZZ	M	Zener Diode,3.2V	AA
D53	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
D103	VHD1SS119//-1	J	Diode	AB
D401	VHD1SS119//-1	J	Diode	AB
D402	RH-EX0604GEZZ	J	Zener Diode,3.9V	AB
D451	VHD1SS119//-1	J	Diode	AB
D452	RH-EX0217CEZZ	J	Zener Diode,15V	AB
D453	RH-EX0217CEZZ	J	Zener Diode,15V	AB
D454	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
D455	VHD1SS119//-1	J	Diode	AB
D456	VHD1SS119//-1	J	Diode	AB
D457	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA
D470	VHD1SS119//-1	J	Diode	AB
D471	RH-EX0614GEZZ	J	Zener Diode,5.6V	AA
D481	VHD1SS119//-1	J	Diode	AB
D482	VHD1SS119//-1	J	Diode	AB
D483	VHD1SS119//-1	J	Diode	AB
D484	VHD1SS119//-1	J	Diode	AB
D501	RH-DX0441CEZZ	J	Diode	AC
⚠ D502	RH-DX0131CEZZ	J	Diode	AC
D503	RH-DX0441CEZZ	J	Diode	AC
D631	RH-EX0630GEZZ	J	Zener Diode,9.1V	AA
	or			
	RH-EX0312CEZZ	J		
▲⚠ D651	RH-DX0131CEZZ	J	Diode	AC
▲⚠ D652	RH-EX1313CEZZ	M	Zener Diode,9.1V	AB
▲⚠ D653	VHD1SS119//-1	J	Diode	AB
▲⚠ D654	VHD1SS119//-1	J	Diode	AB
⚠ D701	RH-DX0154CEZZ	J	Diode	AC
⚠ D702	RH-DX0154CEZZ	J	Diode	AC
⚠ D703	RH-DX0154CEZZ	J	Diode	AC
⚠ D704	RH-DX0154CEZZ	J	Diode	AC
⚠ D705	VHD1SS119//-1	J	Diode	AB
⚠ D706	RH-EX0238CEZZ	J	Zener Diode,75V	AC
▲⚠ D707	VHSS6785GLB2E	J	Si.Control Rectifier	AL
▲⚠ D708	VHSS6785GLB2E	J	Si.Control Rectifier	AL
⚠ D709	RH-DX0131CEZZ	J	Diode	AC
⚠ D710	RH-DX0131CEZZ	J	Diode	AC
⚠ D711	RH-DX0229CEZZ	J	Diode	AF
	or			
	RH-DX0444CEZZ	J		
⚠ D751	RH-DX0441CEZZ	J	Diode	AC
D752	RH-EX0019TAZZ	J	Zener Diode,13V	AB
D753	RH-DX0441CEZZ	J	Diode	AC
⚠ D754	RH-DX0441CEZZ	J	Diode	AC
⚠ D755	RH-DX0441CEZZ	J	Diode	AC
⚠ D756	RH-DX0441CEZZ	J	Diode	AC
D757	VHD1SS119//-1	J	Diode	AB
D758	RH-DX0441CEZZ	J	Diode	AC
D760	RH-DX0441CEZZ	J	Diode	AC
D761	RH-DX0441CEZZ	J	Diode	AC
D923	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA
D924	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA

PACKAGED CIRCUITS

⚠ PR701	RMPTP0088CEZZ	M	Packaged Circuit	AF
	or			
	RMPTP0026CEZZ	J		
X801	RCRSB0001PEZZ	R	Crystal 3.58MHz	AL

FILTERS

CF301	RFiLC0029TAZZ	J	Ceramic Filter	AD
CF401	RFiLC0013CEZZ	J	Ceramic Filter	AE
CF631	RFiLA0034CEZZ	J	Ceramic Filter	AD
CF2040	RFiLC0121GEZZ	J	Ceramic Filter	AD
SF201	RFiLC0405CEZZ	J	Surface Acoustic Wave Filter	AH

COILS

L201	VP-XF1R2K0000	J	Peaking 1.2µH	AB
L202	RCiLi0588CEZZ	J	IF Coil	AF
	or			
	RCiLi0822CEZZ			
L301	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L302	RCiLi0613CEZZ	J	IF Coil	AE
	or			
	RCiLi0615CEZZ			
L401	VP-XF6R8K0000	J	Peaking 6.8µH	AB
L402	VP-XF3R3K0000	J	Peaking 3.3µH	AB
L403	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L404	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L421	VP-XF680K0000	J	Peaking 68µH	AB
L601	RCiLZ0621CEZZ	J	Coil	AH
⚠ L701	RCiLF0025PEZZ	M	Coil (27K-S300)	AE
	or			
	RCiLF0029PEZZ	R		
	or			
	RCiLF0087PEZZ	R		
	or			
	RCiLF0235CEZZ	R		
	or			
	RCiLF0019PEZZ	R		
	or			
	RCiLF0090CEZZ	J		AM
⚠ L701	RCiLF0090CEZZ	J	Coil (CK27S30)	AM
L821	VP-XF680K0000	J	Peaking 68µH	AB
L2040	RCiLB0159CEZZ	M	Oscillation Coil	AD

TRANSFORMERS

⚠ T601	RTRNZ0168CEZZ	J	H-Driver	AH
▲⚠ T602	RTRNF0020MEZZ	M	H-Out	BC
⚠ T701	RTRNP0416CEZZ	J	Power (27K-S300)	AV
⚠ T701	RTRNP0516CEZZ	J	Power (CK27S30)	AV

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

CAPACITORS

[EL.··· Electrolytic, M-Poly.··· Metalized Polypro Film]

Ref. No.	Part No.	★				Code
C51	VCEA0A1CW476M	J	47	16V	EL.	AB
C53	VCEA0A1HW105M	J	1	50V	EL.	AB
C54	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C55	VCEA0A1CW108M	J	1000	16V	EL.	AD
C103	VCEA0A1CW228M	M	2200	16V	EL.	AC
C201	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C203	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C204	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C205	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C206	VCEA0A1CW337M	J	330	16V	EL.	AC
C207	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C208	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C209	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C210	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C301	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C302	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C303	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C307	VCCCCY1HH1R5C	J	1.5p	50V	Ceramic	AD
C308	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C309	VCEA0A1CW337M	J	330	16V	EL.	AC
C351	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C352	VCEA0A1CW107M	J	100	16V	EL.	AC
C353	VCEA0A1CW337M	J	330	16V	EL.	AC
C354	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C355	VCEA0A1CW226M	J	22	16V	EL.	AB
C356	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C357	VCEA0A1CW107M	J	100	16V	EL.	AC
C358	VCEA0A1CW337M	J	330	16V	EL.	AC
C359	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C360	VCEA0A1CW226M	J	22	16V	EL.	AB
C361	VCEA0A1CW477M	J	470	16V	EL.	AC
C362	VCEA0A1CW476M	J	47	16V	EL.	AB
C401	VCKYMN1HB331K	J	330p	50V	Ceramic	AA
C402	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C403	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C404	VCEA0A1HW106M	J	10	50V	EL.	AB
C405	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C406	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C407	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C408	VCEA0A1HW106M	J	10	50V	EL.	AB
C409	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C410	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C411	VCEA0A1CW337M	J	330	16V	EL.	AC
C412	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C413	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C421	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C422	VCEA0A1CW476M	J	47	16V	EL.	AB
C451	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C452	VCEA0A1HW475M	J	4.7	50V	EL.	AB
⚠ C453	VCEA0A2EW226M	M	22	250V	EL.	AD
C454	VCEA0A1VW226M	M	22	35V	EL.	AA
C471	VCKYPA1HB103K	J	0.01	50V	Ceramic	AA
C472	VCEA0A1HW106M	J	10	50V	EL.	AB
C473	VCEA0A1HW106M	J	10	50V	EL.	AB
C474	VCEA0A1HW106M	J	10	50V	EL.	AB
C475	VCEA0A1HW106M	J	10	50V	EL.	AB
C476	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C477	VCEA0A1HW106M	J	10	50V	EL.	AB
C478	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C502	VCEA0A1VW108M	J	1000	35V	EL.	AD
C504	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C505	RC-QZA473TAYK	J	0.047	50V	Mylar	AB
C507	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C508	VCEA0A1VW107M	J	100	35V	EL.	AC
C509	VCKYCY1HB182K	J	1800p	50V	Ceramic	AA
C510	VCEA0A1VW108M	J	1000	35V	EL.	AD
C511	VCFYSA1JA473J	J	0.047	63V	Mylar	AC
C512	VCFYSA1JA564J	J	0.56	63V	Mylar	AE
C513	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C514	VCSATA1VE684K	J	0.68	35V	Tantalum	AC
C551	VCSATA1CE225K	J	2.2	16V	Tantalum	AB
C552	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C603	RC-QZA273TAYK	J	0.027	50V	Mylar	AB
C604	VCEA0A1EW227M	M	220	25V	EL.	AA
▲⚠ C607	VCFPPD3CA692H	M	6900p	1.6kV	M-Poly.	AC
▲⚠ C608	VCFPPD3CA692H	M	6900p	1.6kV	M-Poly.	AC
C612	VCFPPD2DB474J	J	0.47	200V	M-Poly.	AE
C614	VCKYPA2HB331K	J	330p	500V	Ceramic	AA
C631	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C632	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C633	VCEA0A1HW105M	J	1	50V	EL.	AB
C652	VCEA0A1HW106M	J	10	50V	EL.	AB
C653	VCEA0A1HW106M	J	10	50V	EL.	AB
⚠ C701	RC-FZ017SCEZZ	J	0.22	AC250V	Plastic	AD
C702	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
C703	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
C704	VCKYPA2HB472K	J	4700p	500V	Ceramic	AB
⚠ C705	RC-EZ0722CEZZ	M	820	200V	EL.	AL
	or					
	RC-EZ0685CEZZ	J				
	or					
	RC-EZ0657CEZZ	J				
	or					
	RC-EZ0395CEZZ	J				
⚠ C706	RC-KZ0092GEZZ	J	0.0033	AC250V	Ceramic	AC
	or					
	RC-KZ0311CEZZ					
C707	VCKYPA2HB272K	J	2700p	500V	Ceramic	AA
C708	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C709	RC-QZ0010CEZZ	J	0.01	250V	Ceramic	AC
C710	RC-QZ0010CEZZ	J	0.01	250V	Ceramic	AC
C711	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C712	VCKYPA2HB272K	J	2700p	500V	Ceramic	AA
⚠ C713	RC-EZ0696CEZZ	M	220	160V	EL.	AG
C714	RC-QZA273TAYK	J	0.027	50V	Mylar	AB
▲⚠ C715	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C717	VCEA0A1HW106M	J	10	50V	EL.	AB
C721	VCEA0A1EW477M	J	470	25V	EL.	AD

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C722	VCKYPA2HB152K	J	1500p	500V	Ceramic	AA
C751	VCEA0A1EW476M	J	47	25V	EL.	AB
C753	VCEA0A1VW337M	J	330	35V	EL.	AD
C754	VCEA0A1CW107M	J	100	16V	EL.	AC
C756	VCEA0A1CW337M	J	330	16V	EL.	AC
C801	RC-QZA223TAYK	J	0.022	50V	Mylar	AB
C802	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C803	VCCCCY1HH110J	J	11p	50V	Ceramic	AA
C804	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C805	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C806	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C807	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C821	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C822	VCCCCY1HH150J	J	15p	50V	Ceramic	AA
C823	VCCCCY1HH150J	J	15p	50V	Ceramic	AA
C824	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C825	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C901	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S30)	AB
C902	VCEA0A1CW476M	J	47	16V	EL.(CK27S30)	AB
C903	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S30)	AB
C908	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C909	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C910	VCKYCY1HB681K	J	680p (CK27S30)	50V	Ceramic	AA
C911	VCKYCY1HB681K	J	680p (CK27S30)	50V	Ceramic	AA
C922	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S30)	AB
C923	VCEA0A1HW335M	J	3.3	50V	EL.(CK27S30)	AB
C925	VCEA0A1CW476M	J	47	16V	EL.	AB
C926	VCEA0A1CW476M	J	47	16V	EL.	AB
C927	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C928	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C929	VCEA0A1HW106M	J	10	50V	EL.	AB
C930	VCEA0A1HW106M	J	10	50V	EL.	AB
C931	VCKYCY1EB183K	J	0.018 (CK27S30)	25V	Ceramic	AA
C932	VCKYCY1EB183K	J	0.018 (CK27S30)	25V	Ceramic	AA
C951	VCEA0A1HW106M	J	10	50V	EL.	AB
C952	VCEA0A1HW106M	J	10	50V	EL.	AB
C953	VCEA0A1HW106M	J	10	50V	EL.	AB
C954	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C955	VCEA0A1HW106M	J	10	50V	EL.	AB
C2001	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2002	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2040	VCEA0A1AW107M	J	100	10V	EL.	AB
C2041	VCEA0A1HW105M	J	1	50V	EL.	AB
C2060	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C2061	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C2062	VCEA0A1AW107M	J	100	10V	EL.	AB
C2201	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C2211	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C2601	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C2602	VCKYMN1HB101K	J	100p	50V	Ceramic	AA

Ref. No.	Part No.	★	Description			Code
C3001	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3002	VCKYCY1HB562K	J	5600p	50V	Ceramic	AA
C3003	RC-QZA123TAYK	J	0.012	50V	Mylar	AB
C3004	VCEA0A1HW105M	J	1	50V	EL.	AB
C3005	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3006	VCEA0A1HW106M	J	10	50V	EL.	AB
C3007	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3008	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C3009	VCEA0A1CW227M	J	220	16V	EL.	AC
C3010	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3011	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3012	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3013	VCKYCY1HB272K	J	2700p	50V	Ceramic	AA
C3014	RC-QZA473TAYK	J	0.047	50V	Mylar	AB
C3015	VCSATA1CE335K	J	3.3	16V	Tantalum	AC
C3016	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3017	VCSATA1CE106K	J	10	16V	Tantalum	AD
C3018	VCEA0A1HW105M	J	1	50V	EL.	AB
C3019	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3020	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3021	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3022	VCEA0A1HW475M	J	4.7	50V	EL.	AB

RESISTORS

[M-Ox.··· Metal Oxide, M-Film··· Metal Film]

RJ1	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ2	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ3	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ4	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ5	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ6	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ7	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ8	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ9	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ10	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ11	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ12	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ13	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ14	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ15	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ16	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ17	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ18	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ19	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ20	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ21	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ26	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ27	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ28	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ30	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ31	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ32	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ38	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ39	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ43	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ45	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ47	VRD-MN2BE000J	J	0	1/8W	Carbon	AA

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
RJ48	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ49	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ50	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ52	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ53	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ54	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ56	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ59	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ60	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ62	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ63	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ65	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ66	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ68	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ69	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ73	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ75	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ76	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ77	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ80	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ81	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ82	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ83	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ84	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ86	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ87	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ91	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ92	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ93	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ94	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ95	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ96	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ97	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ98	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ100	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ102	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ104	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ105	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ106	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ108	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
⚠ R51	VRS-RG3AB391J	M	390	1W	M-Ox.	AA
⚠ R52	VRS-RG3AB470J	J	47	1W	M-Ox.	AA
⚠ R53	VRS-RG3LB333J	J	33k	3W	M-Ox.	AC
R54	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R55	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R56	VRD-MN2BE823J	J	82k	1/8W	Carbon	AA
R57	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R201	VRD-MN2BE151J	J	150	1/8W	Carbon	AA
R202	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R203	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R204	VRD-MN2BE270J	J	27	1/8W	Carbon	AA
R205	VRS-CY1JF331J	J	330	1/16W	M-Ox.	AA
R206	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R208	VRD-MN2BE331J	J	330	1/8W	Carbon	AA

Ref. No.	Part No.	★			Description	Code
R301	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R302	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R303	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R304	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R305	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R306	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R351	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R352	VRD-MN2BE472J	J	4.7k	1/8W	Carbon	AA
R353	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R354	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R356	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R357	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R358	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R359	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R401	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R402	VRS-CY1JF331J	J	330	1/16W	M-Ox.	AA
R403	VRS-CY1JF391J	J	390	1/16W	M-Ox.	AA
R404	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R405	VRS-CY1JF470J	J	47	1/16W	M-Ox.	AA
R406	VRS-CY1JF680J	J	68	1/16W	M-Ox.	AA
R407	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R408	VRS-CY1JF471J	J	470	1/16W	M-Ox.	AA
R409	VRD-MN2BE562J	J	5.6k	1/8W	Carbon	AA
R410	VRD-RA2BE823J	J	82k	1/8W	Carbon	AA
R411	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R412	VRD-RA2BE561J	J	560	1/8W	Carbon	AA
R413	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R414	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R415	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R416	VRD-RA2BE2R2J	J	2.2	1/8W	Carbon	AA
R420	VRS-CY1JF332J	J	3.3k	1/16W	M-Ox.	AA
R421	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R422	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R423	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R424	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
⚠ R451	VRS-RG2HC103J	J	10k	1/2W	M-Ox.	AA
R452	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R453	VRD-RA2EE393J	J	39k	1/4W	Carbon	AA
R454	VRD-RM2HD104J	J	100k	1/2W	Carbon	AA
R455	VRD-RA2BE152J	J	1.5k	1/8W	Carbon	AA
R456	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R457	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
⚠ R458	VRS-RG3DB332J	M	3.3k	2W	M-Ox.	AA
R459	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
⚠ R466	VRN-RL3DB1R5J	M	1.5	2W	M-Film	AA
⚠ R467	VRN-RL3ABR39J	M	0.39	1W	M-Film	AA
R473	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R481	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R482	VRD-MN2BE223J	J	22k	1/8W	Carbon	AA
R483	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R501	VRD-RA2BE124G	J	120k	1/8W	Carbon	AA
R502	VRD-RA2BE823G	J	82k	1/8W	Carbon	AB
R503	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R504	VRD-MN2BE471J	J	470	1/8W	Carbon	AA
R505	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R506	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R510	VRN-RL3AB1R0J	M	1	1W	M-Film	AA

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
⚠ R511	VRN-RL3ABR56J	J	0.56	1W	M-Film	AA
R512	VRS-RG3AB391J	M	390	1W	M-Ox.	AA
R516	VRD-MN2BE562J	J	5.6k	1/8W	Carbon	AA
R518	VRD-MN2BE184J	J	180k	1/8W	Carbon	AA
R521	VRD-RA2BE153G	J	15k	1/8W	Carbon	AA
R551	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R552	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R553	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R554	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R601	VRD-MN2BE331J	J	330	1/8W	Carbon	AA
R602	VRD-RM2HD560J	J	56	1/2W	Carbon	AA
⚠ R603	VRS-RG3LB180J	J	18	3W	M-Ox.	AD
			(Q602:2SD1556)			
	or					
	VRS-RG3LB150J	J	15	3W	M-Ox.	
			(Q602:2SD2539)			
⚠ R604	VRN-RL3LBR56J	M	0.56	3W	M-Film	AA
R605	VRS-RG2HC102J	J	1k	1/2W	M-Ox.	AA
R606	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R608	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
⚠ R609	VRS-RG3LB180J	J	18	3W	M-Ox.	AD
			(Q602:2SD1556)			
	or					
	VRS-RG3LB150J	J	15	3W	M-Ox.	
			(Q602:2SD2539)			
⚠ R610	VRN-RL3LBR56J	M	0.56	3W	M-Film	AA
R611	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R631	VRS-CY1JF391J	J	390	1/16W	M-Ox.	AA
R632	VRD-MN2BE152J	J	1.5k	1/8W	Carbon	AA
R633	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R634	VRD-RM2HD101J	J	100	1/2W	Carbon	AA
▲⚠ R651	VRS-RG2HC270J	M	27	1/2W	M-Ox.	AA
▲⚠ R652	VRD-MN2BE182J	J	1.8k	1/8W	Carbon	AA
▲⚠ R653	VRN-RA2BK822F	J	8.2k	1/8W	M-Film	AA
▲⚠ R654	VRN-RA2BK682F	J	6.8k	1/8W	M-Film	AA
▲⚠ R655	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
⚠ R701	VRC-UA2HG275K	J	2.7M	1/2W	Solid	AA
			(27K-S300)			
⚠ R701	VRC-UB2HG275K	J	2.7M	1/2W	Solid	AB
			(CK27S30)			
⚠ R702	VRW-KQ3NC1R2K	J	1.2	7W	Cement	AE
R704	VRD-RM2HD223J	J	22k	1/2W	Carbon	AA
R705	VRD-RM2HD223J	J	22k	1/2W	Carbon	AA
⚠ R706	VRS-RG2HC151J	J	150	1/2W	M-Ox.	AA
⚠ R707	VRS-KA3NG331K	M	330	7W	M-Ox.	AC
⚠ R708	VRD-RM2HD330J	J	33	1/2W	Carbon	AA
⚠ R709	VRS-KA3NG331K	M	330	7W	M-Ox.	AC
⚠ R710	VRD-RM2HD330J	J	33	1/2W	Carbon	AA
⚠ R711	VRN-GA2EB1R0J	J	1	1/4W	M-Film	AA
R712	VRD-RA2BE822J	J	8.2k	1/8W	Carbon	AA
R713	VRD-RM2HD681J	J	680	1/2W	Carbon	AA
⚠ R714	VRS-KA3NG3R3K	J	3.3	7W	M-Ox.	AD
⚠ R715	VRW-KQ4AC2R7K	J	2.7	10W	Cement	AE
R716	VRD-RM2HD223J	J	22k	1/2W	Carbon	AA
R717	VRN-GA2EB1R0J	J	1	1/4W	M-Film	AA
⚠ R718	VRN-RL3AB2R7J	M	2.7	1W	M-Film	AA
⚠ R719	VRN-RL3LBR56J	M	0.56	3W	M-Film	AA
R751	VRD-RM2HD471J	J	470	1/2W	Carbon	AA
R752	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R754	VRD-MN2BE223J	J	22k	1/8W	Carbon	AA
⚠ R755	VRS-RG3LB180J	J	18	3W	M-Ox.	AD
R757	VRD-MN2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R760	VRS-RG3AB150J	M	15	1W	M-Ox.	AA
⚠ R761	VRN-RL3AB4R7J	J	4.7	1W	M-Film	AB
R801	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R802	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R803	VRS-CY1JF182J	J	1.8k	1/16W	M-Ox.	AA
R804	VRS-CY1JF182J	J	1.8k	1/16W	M-Ox.	AA
R805	VRS-CY1JF182J	J	1.8k	1/16W	M-Ox.	AA
R806	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R820	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R821	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R822	VRS-CY1JF183J	J	18k	1/16W	M-Ox.	AA
R823	VRS-CY1JF821J	J	820	1/16W	M-Ox.	AA
R824	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R825	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R826	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R827	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R828	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R829	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R901	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
			(CK27S30)			
R903	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
			(CK27S30)			
R904	VRS-CY1JF683J	J	68k	1/16W	M-Ox.	AA
			(CK27S30)			
R905	VRS-CY1JF183J	J	18k	1/16W	M-Ox.	AA
			(CK27S30)			
R906	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
			(CK27S30)			
R907	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
			(CK27S30)			
R908	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
			(CK27S30)			
R910	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
			(CK27S30)			
R911	VRS-CY1JF683J	J	68k	1/16W	M-Ox.	AA
			(CK27S30)			
R912	VRS-CY1JF183J	J	18k	1/16W	M-Ox.	AA
			(CK27S30)			
R913	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
			(CK27S30)			
R914	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
			(CK27S30)			
R915	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
			(CK27S30)			
R920	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R921	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R922	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
			(CK27S30)			

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R923	VRS-CY1JF102J	J	1k (CK27S30)	1/16W	M-Ox.	AA
R925	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R926	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R927	VRD-RA2BE750J	J	75	1/8W	Carbon	AA
R928	VRD-RA2BE750J	J	75	1/8W	Carbon	AA
R930	VRS-CY1JF563J	J	56k	1/16W	M-Ox.	AA
R931	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R932	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R933	VRS-CY1JF122J	J	1.2k	1/16W	M-Ox.	AA
R934	VRS-CY1JF473J	J	47k	1/16W	M-Ox.	AA
R936	VRD-MN2BE473J	J	47k	1/8W	Carbon	AA
R937	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R938	VRS-CY1JF122J	J	1.2k	1/16W	M-Ox.	AA
R939	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R940	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R941	VRD-MN2BE183J	J	18k	1/8W	Carbon	AA
R942	VRD-MN2BE273J	J	27k	1/8W	Carbon	AA
R943	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R951	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R952	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R953	VRD-MN2BE750J	J	75	1/8W	Carbon	AA
R954	VRD-MN2BE750J	J	75	1/8W	Carbon	AA
R961	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R962	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R2001	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2002	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2004	VRD-MN2BE473J	J	47k	1/8W	Carbon	AA
R2006	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2007	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
R2008	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R2009	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2010	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2011	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2012	VRS-CY1JF471J	J	470	1/16W	M-Ox.	AA
R2020	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R2022	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2024	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R2025	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R2026	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R2027	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R2028	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2029	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2030	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2031	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2032	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2040	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2041	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R2042	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2043	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R2044	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R2045	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2046	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R2047	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R2048	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R2060	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R2061	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R2062	VRD-MN2BE183J	J	18k	1/8W	Carbon	AA
R2063	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2064	VRD-RA2BE332J	J	3.3k	1/8W	Carbon	AA
R2065	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2067	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2069	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2071	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2072	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2073	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2101	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2102	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2201	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2202	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2203	VRS-CY1JF184J	J	180k	1/16W	M-Ox.	AA
R2211	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2212	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R2213	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R2401	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2402	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2403	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2404	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2501	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R2503	VRD-MN2BE273J	J	27k	1/8W	Carbon	AA
R2504	VRD-MN2BE123J	J	12k	1/8W	Carbon	AA
R2505	VRD-MN2BE563J	J	56k	1/8W	Carbon	AA
R2506	VRD-MN2BE563J	J	56k	1/8W	Carbon	AA
R2507	VRD-MN2BE823J	J	82k	1/8W	Carbon	AA
R2508	VRD-MN2BE153J	J	15k	1/8W	Carbon	AA
R2509	VRD-MN2BE272J	J	2.7k	1/8W	Carbon	AA
R2601	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R3001	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3002	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3003	VRS-CY1JF105J	J	1M	1/16W	M-Ox.	AA
R3004	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
R3005	VRS-CY1JF623J	J	62k	1/16W	M-Ox.	AA
R3007	VRS-CY1JF332J	J	3.3k	1/16W	M-Ox.	AA
R3008	VRS-CY1JF302J	J	3k	1/16W	M-Ox.	AA
R3010	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R3011	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3012	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R3013	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R3014	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R3017	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3018	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA

SWITCHES

S2501	QSW-K0079GEZZ	J	Power	AB
S2502	QSW-K0079GEZZ	J	Vol-down	AB
S2503	QSW-K0079GEZZ	J	Vol-up	AB
S2504	QSW-K0079GEZZ	J	CH-down	AB
S2505	QSW-K0079GEZZ	J	CH-up	AB

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK6 (27K-S300)
PWB-A: DUNTK9509WEL2 (CK27S30)
MAIN UNIT (Continued)

MISCELLANEOUS PARTS

⚠	RY701	RRLYU0036CEZZ	J	Relay	AM
		or			
		RRLYU0038CEZZ	J		
⚠	F701	QFS-B4023CEZZ	J	Fuse 4A(125V)	AC
		or			
		QFS-B4021GEZZ	J		
	FB601	RBLN-0037CEZZ	J	Ferrite Bead	AB
	FB701	RBLN-0037CEZZ	J	Ferrite Bead	AB
	FB702	RBLN-0037CEZZ	J	Ferrite Bead	AB
	FH701	QFSHD1013CEZZ	J	Fuse Holder	AC
	FH702	QFSHD1014CEZZ	J	Fuse Holder	AC
	J921	QSOCD0430CEZZ	J	Socket	AE
	P602	QPLGN0160FJZZ	J	Plug 5-pin(K)	AD
	P651	QPLGN0361CEZZ	J	Plug 3-pin	AB
	P701	QPLGN0207CEZZ	J	Plug 2-pin(M)	AA
	P702	QPLGN0461CEZZ	J	Plug 4-pin(YBN)	AB
	P703	QPLGN0269GEZZ	J	Plug 2-pin(P)	AB
	P901	QPLGN0561CEZZ	J	Plug 5-pin(HA)	AB
	P902	QPLGN0461CEZZ	J	Plug 4-pin(S)	AB
	P903	QPLGN0561CEZZ	J	Plug 5-pin(GBN)	AB
	P1701	QPLGZ0810CEZZ	J	Plug 8-pin	AD
	P1702	QPLGZ0610CEZZ	J	Plug 6-pin	AB
	P1703	QPLGZ0810CEZZ	J	Plug 8-pin	AD
	P2401	QPLGN0561CEZZ	J	Plug 5-pin	AB
	RMC2601	RRMCU0227CEZZ	J	Remote Receiver	AK
		or			
		RRMCU0224CEZZ	J		AM
		or			
		RRMCU0216CEZZ	J		AK
		or			
		RRMCU0232CEZZ	J		
	RDA501	PRDAR0234PEFW	R	Heat Sink,IC501	AH
	RDA604	PRDAR0233PEFW	M	Heat Sink,Q602	AE
	RDA707	PRDAR0026PEFW	R	Heat Sink,D707	AD
	RDA708	PRDAR0026PEFW	R	Heat Sink,D708	AD
	RDA751	PRDAR5072CEFW	J	Heat Sink,Q751	AC
	RDA752	PRDAR5072CEFW	J	Heat Sink,IC751	AC
	TAN921	QTANJ0323CEZZ	M	AV Terminal (27K-S300)	AF
	TAN921	QTANJ0523CEZZ	M	AV Terminal(CK27S30)	AG
		LX-BZ3049GEFD	J	Screw	AA

Ref. No.	Part No.	★	Description	Code

PWB-A: DUNTK9509WEK6 (27K-S400)
PWB-A: DUNTK9509WEL3 (CK27S40)
MAIN UNIT

TUNER

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY NOT INDEPENEDENTLY.

⚠	TU51	VTUVTST6UF78/	J	Tuner	BD

INTEGRATED CIRCUITS

	IC101	VHiKA78S05P-1	J	KIA78S05P	AD
▲⚠	IC201	RH-iX2933CEZZ	J	TA1268N	AX
	IC351	VHiTDA7233/-1	J	TDA7233	AF
	IC352	VHiTDA7233/-1	J	TDA7233	AF
	IC470	VHiM52055FP-1	J	M52055FP	AH
⚠	IC501	VHiTA8427K/-1	J	TA8427K	AL
▲⚠	IC701	RH-iX0758CEZZ	J	T8150	AF
⚠	IC702	VHiT8889A//-1	J	T8889A	AL
⚠	IC751	VHiKA7809Pi-1	R	KIA7809PI	AE
	IC951	VHiMM1114XF1E	M	MM1114XFBE	AE
	IC2001	RH-iX3088CEZZ	M	TMPA8701CMF130	AU
	IC2040	VHiKiA7045P-1	J	KA7045P	AD
	IC2101	RH-iX2447CEN1	J	ST24C01B6	AL
	IC3001	VHiCXA2074Q-1	M	CXA2074Q	AS
	IC3201	VHiAN5285K/-1	J	AN5285K	AP
	IC3301	VHiNJM2178M-1	M	I.C.	AM

TRANSISTORS

You can substitute "VS2SD601AR/-1" for " VS2SC2462-C-1" for "VS2SC2412-C-1".

	Q201	VS2SC2735//1E	J	2SC2735	AC
	Q301	VS2SD601AR/-1	J	2SD601	AC
	Q351	VS2SD601AR/-1	J	2SD601	AC
	Q352	VS2SD601AR/-1	J	2SD601	AC
	Q401	VS2SD601AR/-1	J	2SD601	AC
	Q402	VS2SB709AR/-1	J	2SB709	AC
	Q403	VS2SD601AR/-1	J	2SD601	AC
	Q421	VS2SB709AR/-1	J	2SB709	AC
	Q451	VS2SC3198-Y-1	J	2SC3198(Y)	AA
	Q601	VS2SC2655Y/-1	J	2SC2655	AE
⚠	Q602	VS2SD1556//1E	J	2SD1556	AP
		or			
		VS2SD2539//1E		2SD2539	

	Q602	R603	R609
COMBI-	2SD1556	18/(3W)	18/(3W)
NATION	2SD2539	15/(3W)	15/(3W)

	Q606	VS2SC3198-Y-1	J	2SC3198(Y)	AA
⚠	Q751	VS2SC1983//-2	J	2SC1983	AF
	Q752	VS2SC3198-Y-1	J	2SC3198(Y)	AA
	Q753	VS2SA1013//1E	J	2SA1013	AD
	Q821	VS2SD601AR/-1	J	2SD601	AC
	Q822	VS2SD601AR/-1	J	2SD601	AC
	Q901	VS2SD601AR/-1	J	2SD601	AC
	Q902	VS2SD601AR/-1	J	2SD601	AC
	Q903	VS2SD601AR/-1	J	2SD601	AC
	Q904	VS2SD601AR/-1	J	2SD601	AC
	Q921	VS2SD601AR/-1	J	2SD601	AC
	Q922	VS2SD601AR/-1	J	2SD601	AC

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTK9509WEK6 (27K-S400) PWB-A: DUNTK9509WEL3 (CK27S40) MAIN UNIT (Continued)				
Q923	VS2SD601AR/-1	J	2SD601	AC
Q924	VS2SD601AR/-1	J	2SD601	AC
Q2060	VS2SD601AR/-1	J	2SD601	AC
Q2201	VS2SD601AR/-1	J	2SD601	AC
Q2211	VS2SD601AR/-1	J	2SD601	AC
DIODES				
You can substitute "VHD1SS119//-1" for "RH-DX0475CEZZ".				
D51	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
D52	RH-EX0673GEZZ	M	Zener Diode,32V	AA
D53	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
D103	VHD1SS119//-1	J	Diode	AB
D401	VHD1SS119//-1	J	Diode	AB
D402	RH-EX0604GEZZ	J	Zener Diode,3.9V	AB
D451	VHD1SS119//-1	J	Diode	AB
D452	RH-EX0217CEZZ	J	Zener Diode,15V	AB
D453	RH-EX0217CEZZ	J	Zener Diode,15V	AB
D454	RH-EX0611GEZZ	J	Zener Diode,5.1V	AA
D455	VHD1SS119//-1	J	Diode	AB
D456	VHD1SS119//-1	J	Diode	AB
D457	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA
D471	RH-EX0614GEZZ	J	Zener Diode,5.6V	AA
D481	VHD1SS119//-1	J	Diode	AB
D482	VHD1SS119//-1	J	Diode	AB
D483	VHD1SS119//-1	J	Diode	AB
D484	VHD1SS119//-1	J	Diode	AB
D501	RH-DX0441CEZZ	J	Diode	AC
⚠ D502	RH-DX0131CEZZ	J	Diode	AC
D503	RH-DX0441CEZZ	J	Diode	AC
D631	RH-EX0630GEZZ	J	Zener Diode,9.1V	AA
	or			
	RH-EX0312CEZZ	J		
▲⚠ D651	RH-DX0131CEZZ	J	Diode	AC
▲⚠ D652	RH-EX1313CEZZ	M	Zener Diode,9.1V	AB
▲⚠ D653	VHD1SS119//-1	J	Diode	AB
▲⚠ D654	VHD1SS119//-1	J	Diode	AB
⚠ D701	RH-DX0154CEZZ	J	Diode	AC
⚠ D702	RH-DX0154CEZZ	J	Diode	AC
⚠ D703	RH-DX0154CEZZ	J	Diode	AC
⚠ D704	RH-DX0154CEZZ	J	Diode	AC
⚠ D705	VHD1SS119//-1	J	Diode	AB
⚠ D706	RH-EX0238CEZZ	J	Zener Diode,7.5V	AC
▲⚠ D707	VHSS6785GLB2E	J	Si.Control Rectifier	AL
▲⚠ D708	VHSS6785GLB2E	J	Si.Control Rectifier	AL
⚠ D709	RH-DX0131CEZZ	J	Diode	AC
⚠ D710	RH-DX0131CEZZ	J	Diode	AC
⚠ D711	RH-DX0229CEZZ	J	Diode	AF
	or			
	RH-DX0444CEZZ	J		
⚠ D751	RH-DX0441CEZZ	J	Diode	AC
D752	RH-EX0019TAZZ	J	Zener Diode,13V	AB
D753	RH-DX0441CEZZ	J	Diode	AC
⚠ D754	RH-DX0441CEZZ	J	Diode	AC
⚠ D755	RH-DX0441CEZZ	J	Diode	AC
⚠ D756	RH-DX0441CEZZ	J	Diode	AC
D757	VHD1SS119//-1	J	Diode	AB
D758	RH-DX0441CEZZ	J	Diode	AC
D760	RH-DX0441CEZZ	J	Diode	AC
D761	RH-DX0441CEZZ	J	Diode	AC
D923	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA
D924	RH-EX0631GEZZ	J	Zener Diode,9.1V	AA
PACKAGED CIRCUITS				
⚠ PR701	RMPTP0088CEZZ	M	Packaged Circuit	AF
	or			
	RMPTP0026CEZZ	J		
X801	RCRSB0001PEZZ	R	Crystal 3.58MHz	AL
FILTERS				
CF301	RFiLC0029TAZZ	J	Ceramic Filter	AD
CF401	RFiLC0013CEZZ	J	Ceramic Filter	AE
CF631	RFiLA0034CEZZ	J	Ceramic Filter	AD
CF2040	RFiLC0121GEZZ	J	Filter	AD
SF201	RFiLC0405CEZZ	J	Surface Acoustic Wave Filter	AH
COILS				
DL421	RCiLZ0938CEZZ	J	Coil	AW
L201	VP-XF1R2K0000	J	Peaking 1.2µH	AB
L202	RCiLi0588CEZZ	J	IF Coil	AF
	or			
	RCiLi0822CEZZ	J		
L301	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L302	RCiLi0613CEZZ	J	IF Coil	AE
	or			
	RCiLi0615CEZZ	J		
L401	VP-XF6R8K0000	J	Peaking 6.8µH	AB
L402	VP-XF3R3K0000	J	Peaking 3.3µH	AB
L403	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L404	VP-XF8R2K0000	J	Peaking 8.2µH	AB
L601	RCiLZ0621CEZZ	J	Coil	AH
⚠ L701	RCiLF0025PEZZ	M	Coil (27K-S400)	AE
	or			
	RCiLF0029PEZZ	R		
	or			
	RCiLF0087PEZZ	R		
	or			
	RCiLF0235CEZZ	R		
	or			
	RCiLF0019PEZZ	R		
	or			
	RCiLF0090CEZZ	J		AM
⚠ L701	RCiLF0090CEZZ	J	Coil (CK27S40)	AM
L821	VP-XF680K0000	J	Peaking 68µH	AB
L2040	RCiLB0159CEZZ	M	Oscillation Coil	AD
TRANSFORMERS				
⚠ T601	RTRNZ0168CEZZ	J	H-Driver	AH
▲⚠ T602	RTRNF0020MEZZ	M	H-Out	BC
⚠ T701	RTRNP0416CEZZ	J	Power (27K-S400)	AV
⚠ T701	RTRNP0516CEZZ	J	Power (CK27S40)	AV

PWB-A: DUNTK9509WEK6 (27K-S400)
PWB-A: DUNTK9509WEL3 (CK27S40)
MAIN UNIT (Continued)

CAPACITORS

[EL.··· Electrolytic, M-Poly.··· Metalized Polypro Film]

Ref. No.	Part No.	★	Description			Code
C51	VCEA0A1CW476M	J	47	16V	EL.	AB
C53	VCEA0A1HW105M	J	1	50V	EL.	AB
C54	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C55	VCEA0A1CW108M	J	1000	16V	EL.	AD
C103	VCEA0A1CW228M	M	2200	16V	EL.	AC
C201	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C203	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C204	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C205	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C206	VCEA0A1CW337M	J	330	16V	EL.	AC
C207	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C208	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C209	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C210	VCKYMN1HB102K	J	1000p	50V	Ceramic	AA
C301	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C302	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C303	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C307	VCCCCY1HH1R5C	J	1.5p	50V	Ceramic	AD
C308	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C309	VCEA0A1CW337M	J	330	16V	EL.	AC
C351	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C352	VCEA0A1CW107M	J	100	16V	EL.	AC
C353	VCEA0A1CW337M	J	330	16V	EL.	AC
C354	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C355	VCEA0A1CW226M	J	22	16V	EL.	AB
C356	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C357	VCEA0A1CW107M	J	100	16V	EL.	AC
C358	VCEA0A1CW337M	J	330	16V	EL.	AC
C359	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C360	VCEA0A1CW226M	J	22	16V	EL.	AB
C361	VCEA0A1CW477M	J	470	16V	EL.	AC
C362	VCEA0A1CW476M	J	47	16V	EL.	AB
C401	VCKYMN1HB331K	J	330p	50V	Ceramic	AA
C402	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C403	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C404	VCEA0A1HW106M	J	10	50V	EL.	AB
C405	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C406	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C407	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C408	VCEA0A1HW106M	J	10	50V	EL.	AB
C409	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C410	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C411	VCEA0A1CW337M	J	330	16V	EL.	AC
C412	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C413	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C422	VCEA0A1CW476M	J	47	16V	EL.	AB
C423	VCEA0A1CW476M	J	47	16V	EL.	AB
C451	RC-QZA104TAYK	J	0.1	50V	Mylar	AB
C452	VCEA0A1HW475M	J	4.7	50V	EL.	AB
⚠ C453	VCEA0A2EW226M	M	22	250V	EL.	AD
C454	VCEA0A1VW226M	M	22	35V	EL.	AA
C471	VCKYPA1HB103K	J	0.01	50V	Ceramic	AA
C472	VCEA0A1HW106M	J	10	50V	EL.	AB
C473	VCEA0A1HW106M	J	10	50V	EL.	AB
C474	VCEA0A1HW106M	J	10	50V	EL.	AB
C475	VCEA0A1HW106M	J	10	50V	EL.	AB
C476	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C477	VCEA0A1HW106M	J	10	50V	EL.	AB
C478	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C502	VCEA0A1VW108M	J	1000	35V	EL.	AD
C504	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C505	RC-QZA473TAYK	J	0.047	63V	Mylar	AB
C507	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C508	VCEA0A1VW107M	J	100	35V	EL.	AC
C509	VCKYCY1HB182K	J	1800p	50V	Ceramic	AA
C510	VCEA0A1VW108M	J	1000	35V	EL.	AD
C511	VCFYSA1JA473J	J	0.047	63V	Mylar	AC
C512	VCFYSA1JA564J	J	0.56	63V	Mylar	AE
C513	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C514	VCSATA1VE684K	J	0.68	35V	Tantalum	AC
C551	VCSATA1CE225K	J	2.2	16V	Tantalum	AB
C552	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C603	RC-QZA273TAYK	J	0.027	50V	Mylar	AB
C604	VCEA0A1EW227M	M	220	25V	EL.	AA
▲⚠ C607	VCFPPD3CA692H	M	6900p	1.6kV	M-Poly.	AC
▲⚠ C608	VCFPPD3CA692H	M	6900p	1.6kV	M-Poly.	AC
C612	VCFPPD2DB474J	J	0.47	200V	M-Poly.	AE
C614	VCKYPA2HB331K	J	330p	500V	Ceramic	AA
C631	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C632	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C633	VCEA0A1HW105M	J	1	50V	EL.	AB
C652	VCEA0A1HW106M	J	10	50V	EL.	AB
C653	VCEA0A1HW106M	J	10	50V	EL.	AB
⚠ C701	RC-FZ017SCEZZ	J	0.22	AC250V	Plastic	AD
C702	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
C703	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
C704	VCKYPA2HB472K	J	4700p	500V	Ceramic	AB
⚠ C705	RC-EZ0722CEZZ	M	820	200V	EL.	AL
	or					
	RC-EZ0685CEZZ	J				
	or					
	RC-EZ0657CEZZ	J				
	or					
	RC-EZ0395CEZZ	J				
⚠ C706	RC-KZ0092GEZZ	J	0.0033	AC250V	Ceramic	AC
	or					
	RC-KZ0311CEZZ	J				
C707	VCKYPA2HB272K	J	2700p	500V	Ceramic	AA
C708	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C709	RC-QZ0010CEZZ	J	0.01	250V	Ceramic	AC
C710	RC-QZ0010CEZZ	J	0.01	250V	Ceramic	AC
C711	VCKYPA2HB391K	J	390p	500V	Ceramic	AA
C712	VCKYPA2HB272K	J	2700p	500V	Ceramic	AA
⚠ C713	RC-EZ0696CEZZ	M	220	160V	EL.	AG
C714	RC-QZA273TAYK	J	0.027	50V	Mylar	AB
▲⚠ C715	RC-QZA103TAYK	J	0.01	50V	Mylar	AA
C717	VCEA0A1HW106M	J	10	50V	EL.	AB
C721	VCEA0A1EW477M	J	470	25V	EL.	AD

PWB-A: DUNTK9509WEK6 (27K-S400)
PWB-A: DUNTK9509WEL3 (CK27S40)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C722	VCKYPA2HB152K	J	1500p	500V	Ceramic	AA
C751	VCEA0A1EW476M	J	47	25V	EL.	AB
C753	VCEA0A1VW337M	J	330	35V	EL.	AD
C754	VCEA0A1CW107M	J	100	16V	EL.	AC
C756	VCEA0A1CW337M	J	330	16V	EL.	AC
C801	RC-QZA223TAYK	J	0.022	50V	Mylar	AB
C802	VCEA0A1HW474M	J	0.47	50V	EL.	AB
C803	VCCCCY1HH110J	J	11p	50V	Ceramic	AA
C804	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C805	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C806	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C807	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C821	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C822	VCCCCY1HH150J	J	15p	50V	Ceramic	AA
C823	VCCCCY1HH150J	J	15p	50V	Ceramic	AA
C824	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C825	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C901	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C902	VCEA0A1CW476M	J	47	16V	EL.	AB
C903	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C908	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C909	VCEA0A1HW225M	J	2.2	50V	EL.	AB
C910	VCKYCY1HB681K	J	680p	50V	Ceramic	AA
C911	VCKYCY1HB681K	J	680p	50V	Ceramic	AA
C922	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C923	VCEA0A1HW335M	J	3.3	50V	EL.	AB
C925	VCEA0A1CW476M	J	47	16V	EL.	AB
C926	VCEA0A1CW476M	J	47	16V	EL.	AB
C927	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C928	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C929	VCEA0A1HW106M	J	10	50V	EL.	AB
C930	VCEA0A1HW106M	J	10	50V	EL.	AB
C931	VCKYCY1EB183K	J	0.018	25V	Ceramic	AA
C932	VCKYCY1EB183K	J	0.018	25V	Ceramic	AA
C951	VCEA0A1HW106M	J	10	50V	EL.	AB
C952	VCEA0A1HW106M	J	10	50V	EL.	AB
C953	VCEA0A1HW106M	J	10	50V	EL.	AB
C954	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C955	VCEA0A1HW106M	J	10	50V	EL.	AB
C2001	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2002	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C2040	VCEA0A1AW107M	J	100	10V	EL.	AB
C2041	VCEA0A1HW105M	J	1	50V	EL.	AB
C2060	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C2061	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C2062	VCEA0A1AW107M	J	100	10V	EL.	AB
C2201	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C2211	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C2601	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C2602	VCKYMN1HB101K	J	100p	50V	Ceramic	AA
C3001	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3002	VCKYCY1HB562K	J	5600p	50V	Ceramic	AA
C3003	RC-QZA123TAYK	J	0.012	50V	Mylar	AB
C3004	VCEA0A1HW105M	J	1	50V	EL.	AB
C3005	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3006	VCEA0A1HW106M	J	10	50V	EL.	AB
C3007	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3008	VCKYMN1CY103N	J	0.01	16V	Ceramic	AA
C3009	VCEA0A1CW227M	J	220	16V	EL.	AC
C3010	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3011	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3012	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3013	VCKYCY1HB272K	J	2700p	50V	Ceramic	AA
C3014	RC-QZA473TAYK	J	0.047	50V	Mylar	AB
C3015	VCSATA1CE335K	J	3.3	16V	Tantalum	AC
C3016	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3017	VCSATA1CE106K	J	10	16V	Tantalum	AD
C3018	VCEA0A1HW105M	J	1	50V	EL.	AB
C3019	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3020	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3021	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3022	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3201	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3202	VCEA0A1HW106M	J	10	50V	EL.	AB
C3203	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C3204	VCEA0A1HW106M	J	10	50V	EL.	AB
C3205	VCEA0A1HW106M	J	10	50V	EL.	AB
C3206	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3207	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3208	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3209	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3301	VCKYCY1CB273K	J	0.027	16V	Ceramic	AA
C3302	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C3303	VCKYCY1HB471K	J	470p	50V	Ceramic	AA
C3304	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C3305	VCKYCY1HB153K	J	0.015	50V	Ceramic	AA
C3306	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C3307	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C3308	VCFYSA1HB474J	J	0.47	50V	Mylar	AC
C3309	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C3310	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3311	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C3312	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3313	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C3314	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3315	VCEA0A1CW107M	J	100	16V	EL.	AC
C3316	VCEA0A1HW106M	J	10	50V	EL.	AB
C3317	VCEA0A1HW106M	J	10	50V	EL.	AB
C3318	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3319	VCE9GA1HW475M	J	4.7	50V	EL.(N.P)	AB
C3320	VCEA0A1HW106M	J	10	50V	EL.	AB
C3321	VCFYSA1HB474J	J	0.47	50V	Mylar	AC
C3322	RC-QZA472TAYJ	J	4700p	50V	Mylar	AB
C3323	VCFYSA1HB474J	J	0.47	50V	Mylar	AC

RESISTORS

[M-Ox.··· Metal Oxide, M-Film··· Metal Film]

RJ1	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ2	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ3	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ4	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA

PWB-A: DUNTK9509WEK6 (27K-S400)
PWB-A: DUNTK9509WEL3 (CK27S40)
MAIN UNIT (Continued)

Ref. No.	Part No.	★		Description		Code
RJ5	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ6	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ7	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ8	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ9	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ10	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ11	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ12	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ13	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ14	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ15	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ16	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ17	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ18	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ19	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ20	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ21	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ26	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ27	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ28	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ30	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ31	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ32	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ34	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ38	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ39	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ43	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ45	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ47	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ48	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ49	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ50	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ52	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ53	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ54	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ56	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ57	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ58	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ59	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ60	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ62	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ63	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ65	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ66	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ68	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ69	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ73	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ75	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ76	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ77	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ80	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ81	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ82	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ83	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ84	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ86	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ87	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ91	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ92	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ93	VRS-CY1JF1R0J	J	1	1/16W	M-Ox.	AA
RJ94	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ95	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ96	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ97	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ98	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ100	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ102	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ104	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ105	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
RJ106	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ108	VRD-MN2BE000J	J	0	1/8W	Carbon	AA
⚠ R51	VRS-RG3AB391J	M	390	1W	M-Ox.	AA
⚠ R52	VRS-RG3AB470J	J	47	1W	M-Ox.	AA
⚠ R53	VRS-RG3LB333J	J	33k	3W	M-Ox.	AC
R54	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R55	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R56	VRD-MN2BE823J	J	82k	1/8W	Carbon	AA
R57	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R201	VRD-MN2BE151J	J	150	1/8W	Carbon	AA
R202	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R203	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R204	VRD-MN2BE270J	J	27	1/8W	Carbon	AA
R205	VRS-CY1JF331J	J	330	1/16W	M-Ox.	AA
R206	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R208	VRD-MN2BE331J	J	330	1/8W	Carbon	AA
R301	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
R302	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R303	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R304	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R305	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R306	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R351	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R352	VRD-MN2BE472J	J	4.7k	1/8W	Carbon	AA
R353	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R354	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R356	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R357	VRD-MN2BE4R7J	J	4.7	1/8W	Carbon	AA
R358	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R359	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R401	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R402	VRS-CY1JF331J	J	330	1/16W	M-Ox.	AA
R403	VRS-CY1JF391J	J	390	1/16W	M-Ox.	AA
R404	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R405	VRS-CY1JF470J	J	47	1/16W	M-Ox.	AA
R406	VRS-CY1JF680J	J	68	1/16W	M-Ox.	AA
R407	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R408	VRS-CY1JF471J	J	470	1/16W	M-Ox.	AA
R409	VRD-MN2BE562J	J	5.6k	1/8W	Carbon	AA
R410	VRD-RA2BE823J	J	82k	1/8W	Carbon	AA
R411	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R412	VRD-RA2BE561J	J	560	1/8W	Carbon	AA

PWB-A: DUNTK9509WEK6 (27K-S400)
PWB-A: DUNTK9509WEL3 (CK27S40)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R413	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R414	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R415	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R416	VRD-RA2BE2R2J	J	2.2	1/8W	Carbon	AA
R420	VRS-CY1JF332J	J	3.3k	1/16W	M-Ox.	AA
R421	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R423	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R424	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
⚠ R451	VRS-RG2HC103J	J	10k	1/2W	M-Ox.	AA
R452	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R453	VRD-RA2EE393J	J	39k	1/4W	Carbon	AA
R454	VRD-RM2HD104J	J	100k	1/2W	Carbon	AA
R455	VRD-RA2BE152J	J	1.5k	1/8W	Carbon	AA
R456	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R457	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
⚠ R458	VRS-RG3DB332J	M	3.3k	2W	M-Ox.	AA
R459	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
⚠ R466	VRN-RL3DB1R5J	M	1.5	2W	M-Film	AA
⚠ R467	VRN-RL3ABR39J	M	0.39	1W	M-Film	AA
R473	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R481	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R482	VRD-MN2BE223J	J	22k	1/8W	Carbon	AA
R483	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R501	VRD-RA2BE124G	J	120k	1/8W	Carbon	AA
R502	VRD-RA2BE823G	J	82k	1/8W	Carbon	AB
R503	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R504	VRD-MN2BE471J	J	470	1/8W	Carbon	AA
R505	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R506	VRS-CY1JF223J	J	22k	1/16W	M-Ox.	AA
R510	VRN-RL3AB1R0J	M	1	1W	M-Film	AA
⚠ R511	VRN-RL3ABR56J	J	0.56	1W	M-Film	AA
R512	VRS-RG3AB391J	M	390	1W	M-Ox.	AA
R516	VRD-MN2BE562J	J	5.6k	1/8W	Carbon	AA
R518	VRD-MN2BE184J	J	180k	1/8W	Carbon	AA
R521	VRD-RA2BE153G	J	15k	1/8W	Carbon	AA
R551	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R552	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R553	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R554	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R601	VRD-MN2BE331J	J	330	1/8W	Carbon	AA
R602	VRD-RM2HD560J	J	56	1/2W	Carbon	AA
⚠ R603	VRS-RG3LB180J	J	18	3W	M-Ox.	AD
			(Q602:2SD1556)			
	or					
	VRS-RG3LB150J	J	15	3W	M-Ox.	
			(Q602:2SD2539)			
⚠ R604	VRN-RL3LBR56J	M	0.56	3W	M-Film	AA
R605	VRS-RG2HC102J	J	1k	1/2W	M-Ox.	AA
R606	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R608	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
⚠ R609	VRS-RG3LB180J	J	18	3W	M-Ox.	AD
			(Q602:2SD1556)			
	or					
	VRS-RG3LB150J	J	15	3W	M-Ox.	
			(Q602:2SD2539)			
⚠ R610	VRN-RL3LBR56J	M	0.56	3W	M-Film	AA
R611	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R631	VRS-CY1JF391J	J	390	1/16W	M-Ox.	AA
R632	VRD-MN2BE152J	J	1.5k	1/8W	Carbon	AA
R633	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R634	VRD-RM2HD101J	J	100	1/2W	Carbon	AA
▲⚠ R651	VRS-RG2HC270J	M	27	1/2W	M-Ox.	AA
▲⚠ R652	VRD-MN2BE182J	J	1.8k	1/8W	Carbon	AA
▲⚠ R653	VRN-RA2BK822F	J	8.2k	1/8W	M-Film	AA
▲⚠ R654	VRN-RA2BK682F	J	6.8k	1/8W	M-Film	AA
▲⚠ R655	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
⚠ R701	VRC-UA2HG275K	J	2.7M	1/2W	Solid	AA
			(27K-S400)			
⚠ R701	VRC-UB2HG275K	J	2.7M	1/2W	Solid	AB
			(CK27S40)			
⚠ R702	VRW-KQ3NC1R2K	J	1.2	7W	Cement	AE
R704	VRD-RM2HD223J	J	22k	1/2W	Carbon	AA
R705	VRD-RM2HD223J	J	22k	1/2W	Carbon	AA
⚠ R706	VRS-RG2HC151J	J	150	1/2W	M-Ox.	AA
⚠ R707	VRS-KA3NG331K	M	330	7W	M-Ox.	AC
⚠ R708	VRD-RM2HD330J	J	33	1/2W	Carbon	AA
⚠ R709	VRS-KA3NG331K	J	330	7.0W	M-Ox.	AC
⚠ R710	VRD-RM2HD330J	J	33	1/2W	Carbon	AA
⚠ R711	VRN-GA2EB1R0J	J	1	1/4W	M-Film	AA
R712	VRD-RA2BE822J	J	8.2k	1/8W	Carbon	AA
R713	VRD-RM2HD681J	J	680	1/2W	Carbon	AA
⚠ R714	VRS-KA3NG3R3K	J	3.3	7W	M-Ox.	AD
⚠ R715	VRW-KQ4AC2R7K	J	2.7	10W	Cement	AE
R716	VRD-RM2HD223J	J	22k	1/2W	Carbon	AA
R717	VRN-GA2EB1R0J	J	1	1/4W	M-Film	AA
⚠ R718	VRN-RL3AB2R7J	M	2.7	1W	M-Film	AA
⚠ R719	VRN-RL3LBR56J	M	0.56	3W	M-Film	AA
R751	VRD-RM2HD471J	J	470	1/2W	Carbon	AA
R752	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R754	VRD-MN2BE223J	J	22k	1/8W	Carbon	AA
⚠ R755	VRS-RG3LB180J	J	18	3W	M-Ox.	AD
R757	VRD-MN2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R760	VRS-RG3AB150J	M	15	1W	M-Ox.	AA
⚠ R761	VRN-RL3AB4R7J	J	4.7	1W	M-Film	AB
R801	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R802	VRD-MN2BE332J	J	3.3k	1/8W	Carbon	AA
R803	VRS-CY1JF182J	J	1.8k	1/16W	M-Ox.	AA
R804	VRS-CY1JF182J	J	1.8k	1/16W	M-Ox.	AA
R805	VRS-CY1JF182J	J	1.8k	1/16W	M-Ox.	AA
R806	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R821	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R822	VRS-CY1JF183J	J	18k	1/16W	M-Ox.	AA
R823	VRS-CY1JF821J	J	820	1/16W	M-Ox.	AA
R824	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R825	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R826	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R827	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA

PWB-A: DUNTK9509WEK6 (27K-S400)
PWB-A: DUNTK9509WEL3 (CK27S40)
MAIN UNIT (Continued)

Ref. No.	Part No.	★		Description		Code
R828	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R829	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R901	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R903	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R904	VRS-CY1JF683J	J	68k	1/16W	M-Ox.	AA
R905	VRS-CY1JF183J	J	18k	1/16W	M-Ox.	AA
R906	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R907	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R908	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R910	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R911	VRS-CY1JF683J	J	68k	1/16W	M-Ox.	AA
R912	VRS-CY1JF183J	J	18k	1/16W	M-Ox.	AA
R913	VRS-CY1JF472J	J	4.7k	1/16W	M-Ox.	AA
R914	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R915	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R920	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R921	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R922	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R923	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R925	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R926	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R927	VRD-RA2BE750J	J	75	1/8W	Carbon	AA
R928	VRD-RA2BE750J	J	75	1/8W	Carbon	AA
R930	VRS-CY1JF563J	J	56k	1/16W	M-Ox.	AA
R931	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R932	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R933	VRS-CY1JF122J	J	1.2k	1/16W	M-Ox.	AA
R934	VRS-CY1JF473J	J	47k	1/16W	M-Ox.	AA
R936	VRD-MN2BE473J	J	47k	1/8W	Carbon	AA
R937	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R938	VRS-CY1JF122J	J	1.2k	1/16W	M-Ox.	AA
R939	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R940	VRD-MN2BE122J	J	1.2k	1/8W	Carbon	AA
R941	VRD-MN2BE183J	J	18k	1/8W	Carbon	AA
R942	VRD-MN2BE273J	J	27k	1/8W	Carbon	AA
R943	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R951	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R952	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R953	VRD-MN2BE750J	J	75	1/8W	Carbon	AA
R954	VRD-MN2BE750J	J	75	1/8W	Carbon	AA
R961	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R962	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R2001	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2003	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R2004	VRD-MN2BE473J	J	47k	1/8W	Carbon	AA
R2007	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
R2008	VRD-MN2BE102J	J	1k	1/8W	Carbon	AA
R2009	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2010	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2011	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2012	VRS-CY1JF471J	J	470	1/16W	M-Ox.	AA
R2013	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2014	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2022	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2024	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R2025	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R2026	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R2027	VRD-MN2BE682J	J	6.8k	1/8W	Carbon	AA
R2028	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2029	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2030	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2031	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2032	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R2040	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2041	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R2042	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2043	VRD-MN2BE333J	J	33k	1/8W	Carbon	AA
R2044	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R2045	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2046	VRD-RA2BE101J	J	100	1/8W	Carbon	AB
R2047	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R2048	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R2060	VRD-MN2BE101J	J	100	1/8W	Carbon	AA
R2061	VRS-CY1JF562J	J	5.6k	1/16W	M-Ox.	AA
R2062	VRD-MN2BE183J	J	18k	1/8W	Carbon	AA
R2063	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2064	VRD-RA2BE332J	J	3.3k	1/8W	Carbon	AA
R2065	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2067	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2069	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2071	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2072	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R2073	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R2101	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2102	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2201	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2202	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R2203	VRS-CY1JF184J	J	180k	1/16W	M-Ox.	AA
R2211	VRD-MN2BE222J	J	2.2k	1/8W	Carbon	AA
R2212	VRS-CY1JF682J	J	6.8k	1/16W	M-Ox.	AA
R2213	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R2401	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2402	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2403	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2404	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R2501	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R2503	VRD-MN2BE273J	J	27k	1/8W	Carbon	AA
R2504	VRD-MN2BE123J	J	12k	1/8W	Carbon	AA
R2505	VRD-MN2BE563J	J	56k	1/8W	Carbon	AA
R2506	VRD-MN2BE563J	J	56k	1/8W	Carbon	AA
R2507	VRD-MN2BE823J	J	82k	1/8W	Carbon	AA
R2508	VRD-MN2BE153J	J	15k	1/8W	Carbon	AA
R2509	VRD-MN2BE272J	J	2.7k	1/8W	Carbon	AA
R2601	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R3001	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3002	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R3003	VRS-CY1JF105J	J	1M	1/16W	M-Ox.	AA
R3004	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
R3005	VRS-CY1JF623J	J	62k	1/16W	M-Ox.	AA
R3007	VRS-CY1JF332J	J	3.3k	1/16W	M-Ox.	AA
R3008	VRS-CY1JF302J	J	3k	1/16W	M-Ox.	AA

PWB-A: DUNTK9509WEK6 (27K-S400, CK27S40) MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R3010	VRD-MN2BE392J	J	3.9k	1/8W	Carbon	AA
R3011	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3012	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R3013	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R3014	VRD-MN2BE104J	J	100k	1/8W	Carbon	AA
R3017	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3018	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R3201	VRS-CY1JF225J	J	2.2M	1/16W	M-Ox.	AA
R3202	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R3203	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R3301	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R3302	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
R3303	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R3304	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
R3305	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R3306	VRS-CY1JF104J	J	100k	1/16W	M-Ox.	AA
R3307	VRD-MN2BE103J	J	10k	1/8W	Carbon	AA
R3308	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R3311	VRS-CY1JF822J	J	8.2k	1/16W	M-Ox.	AA
R3312	VRS-CY1JF272J	J	2.7k	1/16W	M-Ox.	AA
R3313	VRS-CY1JF561J	J	560	1/16W	M-Ox.	AA
R3314	VRS-CY1JF623J	J	62k	1/16W	M-Ox.	AA
R3315	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R3316	VRS-CY1JF333J	J	33k	1/16W	M-Ox.	AA
R3317	VRS-CY1JF473J	J	47k	1/16W	M-Ox.	AA
R3318	VRS-CY1JF392J	J	3.9k	1/16W	M-Ox.	AA
R3319	VRS-CY1JF432J	J	4.3k	1/16W	M-Ox.	AA
R3320	VRS-CY1JF152J	J	1.5k	1/16W	M-Ox.	AA
R3321	VRS-CY1JF114J	J	110k	1/16W	M-Ox.	AA
R3322	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA

SWITCHES

S2501	QSW-K0079GEZZ	J	Power	AB
S2502	QSW-K0079GEZZ	J	Vol-down	AB
S2503	QSW-K0079GEZZ	J	Vol-up	AB
S2504	QSW-K0079GEZZ	J	CH-down	AB
S2505	QSW-K0079GEZZ	J	CH-up	AB

MISCELLANEOUS PARTS

⚠ RY701	RRLYU0036CEZZ	J	Relay		AM
	or				
	RRLYU0038CEZZ	J			
⚠ F701	QFS-B4023CEZZ	J	Fuse 4A(125V)		AC
	or				
	QFS-B4021GEZZ	J			
FB601	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB701	RBLN-0037CEZZ	J	Ferrite Bead		AB
FB702	RBLN-0037CEZZ	J	Ferrite Bead		AB
FH701	QFSHD1013CEZZ	J	Fuse Holder		AC
FH702	QFSHD1014CEZZ	J	Fuse Holder		AC
J921	QSOCD0430CEZZ	J	Socket		AE
P602	QPLGN0160FJZZ	J	Plug 5-pin(K)		AD
P651	QPLGN0361CEZZ	J	Plug 3-pin		AB
P701	QPLGN0207CEZZ	J	Plug 2-pin(M)		AA
P702	QPLGN0461CEZZ	J	Plug 4-pin(YBN)		AB
P703	QPLGN0269GEZZ	J	Plug 2-pin(P)		AB
P901	QPLGN0561CEZZ	J	Plug 5-pin(HA)		AB
P902	QPLGN0461CEZZ	J	Plug 4-pin(S)		AB
P903	QPLGN0561CEZZ	J	Plug 5-pin(GBN)		AB
P1701	QPLGZ0810CEZZ	J	Plug 8-pin		AD
P1702	QPLGZ0610CEZZ	J	Plug 6-pin		AB
P1703	QPLGZ0810CEZZ	J	Plug 8-pin		AD
P2401	QPLGN0561CEZZ	J	Plug 5-pin		AB
RMC2601	RRMCU0227CEZZ	J	Remote Receiver		AK
	or				
	RRMCU0224CEZZ	J			AM
	or				
	RRMCU0216CEZZ	J			AK
	or				
	RRMCU0232CEZZ	J			
RDA501	PRDAR0234PEFW	R	Heat Sink,IC501		AH
RDA604	PRDAR0233PEFW	M	Heat Sink,Q602		AE
RDA707	PRDAR0026PEFW	R	Heat Sink,D707		AD
RDA708	PRDAR0026PEFW	R	Heat Sink,D708		AD
RDA751	PRDAR5072CEFW	J	Heat Sink,Q751		AC
RDA752	PRDAR5072CEFW	J	Heat Sink,IC751		AC
TAN921	QTANJ0523CEZZ	M	AV Terminal		AG
	LX-BZ3049GEFD	J	Screw		AA

PWB-H: DUNTK9310WEK1 FRONT AV UNIT

J1001	QJAKE0053GEZZ	J	Jack,Video in	AD
J1002	QJAKE0055GEZZ	J	Jack, Audio in (L)	AD
J1003	QJAKE0059GEZZ	J	Jack, Audio in (R)	AC
P1001	QPLGN0541CEZZ	J	Plug,5-pin (HA)	AB

Ref. No.	Part No.	★	Description	Code

PWB-B: DUNTK9510WEK0
CRT UNIT

TRANSISTORS

Q851	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q852	VS2SC3789//2E	M	2SC3789	
Q853	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q854	VS2SC3789//2E	M	2SC3789	
Q855	VS2SC3198-Y-1	J	2SC3198(Y)	AA
Q856	VS2SC3789//2E	M	2SC3789	
Q881	VS2SA1266-Y-1	J	2SA1266(Y)	AA

DIODES

D881	VHD1SS119//-1	J	1SS119	AB
D882	VHD1SS119//-1	J	1SS119	AB
D884	VHD1SS119//-1	J	1SS119	AB

COIL

L851	VP-MK820K0000	J	Peaking 82µH	AB

CAPACITORS

[EL.··· Electrolytic]

C851	VCCSPA1HL391J	J	390p	50V	Ceramic	AA
C852	VCCSPA1HL331J	J	330p	50V	Ceramic	AA
C853	VCCSPA1HL391J	J	390p	50V	Ceramic	AA
C854	RC-KZ0024CEZZ	J	0.001	2kV	Ceramic	AC
C883	VCEA0A1HW106M	J	10	50V	EL.	AB

RESISTORS

[M-Ox.··· Metal Oxide]

R851	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R852	VRD-RA2BE181J	J	180	1/8W	Carbon	AA
R853	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R855	VRD-RA2BE471J	J	470	1/8W	Carbon	AA
R856	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
⚠ R857	VRS-VV3LB123J	J	12k	3W	M-Ox.	AB
R858	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
R859	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R860	VRD-RA2BE181J	J	180	1/8W	Carbon	AA
R861	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R863	VRD-RA2BE471J	J	470	1/8W	Carbon	AA
R864	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
⚠ R865	VRS-VV3LB123J	J	12k	3W	M-Ox.	AB
R866	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
R867	VRD-RA2BE470J	J	47	1/8W	Carbon	AA
R868	VRD-RA2BE181J	J	180	1/8W	Carbon	AA
R869	VRD-RA2BE121J	J	120	1/8W	Carbon	AA
R871	VRD-RA2BE471J	J	470	1/8W	Carbon	AA
R872	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
⚠ R873	VRS-VV3LB123J	J	12k	3W	M-Ox.	AB
R874	VRD-RM2HD222J	J	2.2k	1/2W	Carbon	AA
R881	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R882	VRD-RA2BE271J	J	270	1/8W	Carbon	AA
R883	VRD-RA2BE561J	J	560	1/8W	Carbon	AA
R884	VRD-RA2BE152J	J	1.5k	1/8W	Carbon	AA
R895	VRD-RA2BE470J	J	47	1/8W	Carbon	AA

Ref. No.	Part No.	★	Description	Code

MISCELLANEOUS PARTS

P851	QPLGN0541CEZZ	J	Plug 5-pin(GBN)	AB
P852	QPLGN0441CEZZ	J	Plug 4-pin(YBN)	AB
SC851	QSOCV0937CEZZ	M	CRT Socket	AF

PWB-R:DUNTK9511WEK0(27K-S300/400,CK27S30/40)
P-IN-P UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1701	VHiMM1117XF1E	M	MM1117XFBE	AD
IC1781	VHiKA7805Pi-1	R	KIA7805PI	AE
IC1801	VHiM65667FP-1	M	M65667FP	AB

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1721	VS2SD601AR/-1	J	2SD601	AC
Q1741	VS2SB709AR/-1	J	2SB709	AC
Q1742	VS2SB709AR/-1	J	2SB709	AC
Q1761	VS2SB709AR/-1	J	2SB709	AC
Q1762	VS2SB709AR/-1	J	2SB709	AC
Q1791	VS2SC1959Y/1E	J	2SC1959	AC
Q1861	VS2SB709AR/-1	J	2SB709	AC
Q1881	VS2SD601AR/-1	J	2SD601	AC
Q1882	VS2SD601AR/-1	J	2SD601	AC
Q1883	VS2SD601AR/-1	J	2SD601	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D1791	RH-EX0604GEZZ	J	Zener Diode,4.3V	AB
D1801	VHD1SS119//-1	J	1SS119	AB
D1821	VHD1SS119//-1	J	1SS119	AB

CRYSTAL

Ref. No.	Part No.	★	Description	Code
X1861	RCRSB0241CEZZ	M	Crystal	

COILS

Ref. No.	Part No.	★	Description	Code
L1721	VP-XF680K0000	J	Peaking 68µH	AB
L1801	VP-XF100K0000	J	Peaking 10µH	AB
L1821	VP-XF100K0000	J	Peaking 10µH	AB
L1861	VP-XF100K0000	J	Peaking 10µH	AB
L1862	VP-XF100K0000	J	Peaking 10µH	AB
L1863	VP-XF100K0000	J	Peaking 10µH	AB

CAPACITORS

[EL.··· Electrolytic]

Ref. No.	Part No.	★				Code
C1701	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C1702	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C1703	VCEA0A1HW475M	J	4.7	50V	EL.	AB
C1721	VCEA0A1HW106M	J	10	50V	EL.	AB
C1722	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C1741	RC-QZA473TAYJ	J	0.047	50V	Mylar	AB
C1742	VCEA0A1HW105M	J	1	50V	EL.	AB
C1743	RC-QZA472TAYJ	J	4700p	50V	Mylar	AB
C1761	RC-QZA473TAYJ	J	0.047	50V	Mylar	AB
C1762	VCEA0A1HW105M	J	1	50V	EL.	AB
C1763	RC-QZA682TAYJ	J	6800p	50V	Mylar	AB
C1781	VCEA0A1CW476M	J	47	16V	EL.	AB
C1791	VCEA0A1AW107M	J	100	10V	EL.	AB
C1792	VCEA0A1AW107M	J	100	10V	EL.	AB
C1801	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1802	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1803	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1804	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1805	VCEA0A1HW106M	J	10	50V	EL.	AB
C1806	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1807	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1809	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1810	VCEA0A1CW336M	J	33	16V	EL.	AB
C1811	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1812	VCEA0A1HW106M	J	10	50V	EL.	AB
C1821	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1822	VCEA0A1HW106M	J	10	50V	EL.	AB
C1841	VCEA0A1HW106M	J	10	50V	EL.	AB
C1842	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1843	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C1845	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1846	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C1847	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C1848	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1849	VCEA0A1HW106M	J	10	50V	EL.	AB
C1850	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1851	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1861	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1862	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1863	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C1865	RC-QZA154TAYJ	J	0.15	50V	Mylar	AC
C1866	RC-QZA103TAYJ	J	0.01	50V	Mylar	AB
C1867	VCKYCY1CB104K	J	0.1	16V	Ceramic	AB
C1868	VCFYSA1HB474J	J	0.47	50V	Mylar	AC
C1869	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C1870	VCEA0A1HW106M	J	10	50V	EL.	AB
C1871	VCEA0A1HW106M	J	10	50V	EL.	AB
C1872	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA

RESISTORS

[M-Ox.··· Metal Oxide]

Ref. No.	Part No.	★				Code
RJ1	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ2	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ3	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ4	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ5	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ6	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ7	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ8	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ9	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ10	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
RJ11	VRS-CY1JF000J	J	0	1/16W	M-Ox.	AA
R1701	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R1702	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R1703	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R1704	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R1705	VRS-CY1JF101J	J	100	1/16W	M-Ox.	AA
R1706	VRS-CY1JF474J	J	470k	1/16W	M-Ox.	AA
R1721	VRS-CY1JF332J	J	3.3k	1/16W	M-Ox.	AA
R1722	VRS-CY1JF103J	J	10k	1/16W	M-Ox.	AA
R1723	VRS-CY1JF822J	J	8.2k	1/16W	M-Ox.	AA
R1724	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA
R1741	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1742	VRS-CY1JF102J	J	1k	1/16W	M-Ox.	AA

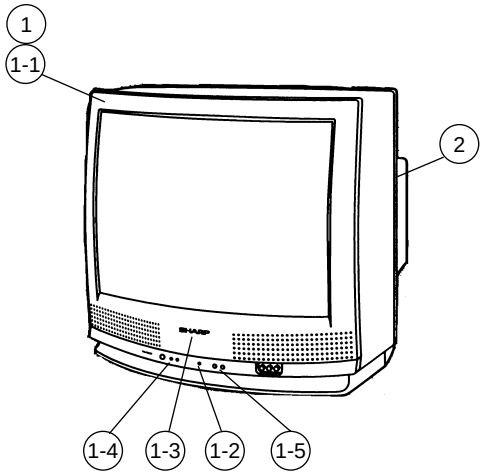
Ref. No.	Part No.	★	Description	Code
PWB-R:DUNTK9511WEK0(27K-S300/400,CK27S30/40) P-IN-P UNIT (Continued)				
R1743	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA
R1744	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R1745	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA
R1746	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R1747	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R1761	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1762	VRS-CY1JF151J	J	150 1/16W M-Ox.	AA
R1763	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1764	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R1765	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA
R1766	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R1791	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R1801	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1821	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R1822	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R1823	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R1825	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R1828	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1831	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R1832	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R1833	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R1834	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R1841	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1842	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R1843	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R1861	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R1862	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1863	VRS-CY1JF102J	J	1k 1/16W M-Ox.	AA
R1864	VRS-CY1JF331J	J	330 1/16W M-Ox.	AA
R1865	VRS-CY1JF474J	J	470k 1/16W M-Ox.	AA
R1866	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA
R1867	VRS-CY1JF202J	J	2k 1/16W M-Ox.	AA
R1868	VRS-CY1JF510J	M	51 1/16W M-Ox.	
R1881	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1882	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1883	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R1884	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA
R1885	VRS-CY1JF473J	J	47k 1/16W M-Ox.	AA
R1886	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R1887	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R1889	VRD-RA2BE101J	J	100 1/8W Carbon	AB
MISCELLANEOUS PARTS				
P1701	QPLGZ0810CEZZ	J	Plug 8-pin	AD
P1702	QPLGZ0610CEZZ	J	Plug 6-pin	AB
P1703	QPLGZ0810CEZZ	J	Plug 8-pin	AD
SLD1801	PSLDM0012MEFW	M	Shield	AC

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
⚠ ACC701	QACCD3049CESA	M	AC Cord	AG
	QCNW-0130MEZZ	M	Connecting Cord	AF
	QCNW-0134MEZZ	M	Connecting Cord	AE
	QCNW-0137MEZZ	M	Connecting Cord	AH
	QCNW-0166MEZZ	M	Connecting Cord	AD
	QCNW-0167MEZZ	M	Connecting Cord	AC
SP1	VSP0080PBK98A	M	Speaker,(L)	AG
SP2	VSP0080PBK98A	M	Speaker,(R)	AG
SUPPLIED ACCESORRIES				
	TGAN-1006MEZZ	M	Guarantee Card (U.S.A.only)	AA
	TiNS-6284MEZZ	M	Operation Manual (27K-S100)	AC
	TiNS-6285MEZZ	M	Operation Manual (27K-S180)	AC
	TiNS-6286MEZZ	M	Operation Manual (27K-S300)	AC
	TiNS-6290MEZZ	M	Operation Manual (27K-S400)	AC
	TiNS-6358MEZZ	M	Operation Manual (CK27S10)	AC
	TiNS-6359MEZZ	M	Operation Manual (CK27S18)	AC
	TiNS-6360MEZZ	M	Operation Manual (CK27S30)	AC
	TiNS-6361MEZZ	M	Operation Manual (CK27S40)	AC
	RRMCG1324CESA	M	Infrared R/C Unit (27K-S100, CK27S10)	AQ
	RRMCG1395CESA	M	Infrared R/C Unit (27K-S180, CK27S18)	AW
	RRMCG1396CESA	M	Infrared R/C Unit (27K-S300/400, CK27S30/40)	AW
PACKING PARTS *(NOT REPLACEMENT ITEM)*				
	SPAKC0571MEZZ	–	Packing Case (27K-S100/180, CK27S10/18)	—
	SPAKC0599MEZZ	–	Packing Case (27K-S300/400, CK27S30/40)	—
	SPAKX0165MEZZ	–	Buffer Material	—
	SSAKA0004MEZZ	–	Polyethylene Sack	—

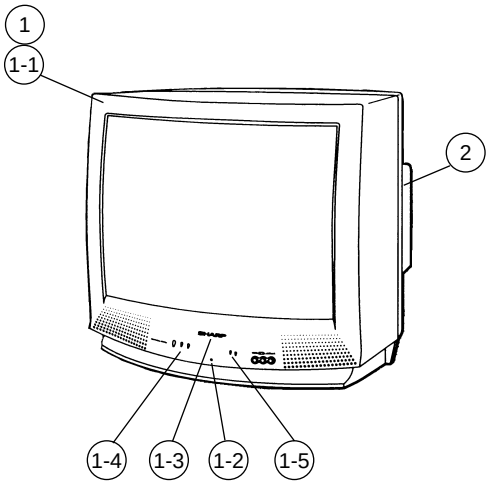
CABINET PARTS

Ref. No.	Part No.	★	Description	Code
27K-S100, CK27S10				
1	CCABA1302MES0	M	Cabinet Ass'y, Front	BE
1-1	*Not Available*	–	Front Cabinet	–
1-2	GCOVA1033MEKA	M	Cover for R/C	AD
1-3	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-4	JBTN-1096MEKA	M	Button, Power, Vol-up/down	AD
1-5	JBTN-1097MEKA	M	Button, Ch-up/down	AD
2	GCABB1120MEKA	M	Rear Cabinet	AZ
27K-S180, CK27S18				
1	CCABA1296MES0	M	Cabinet Ass'y, Front	BE
1-1	*Not Available*	–	Front Cabinet	–
1-2	GCOVA1033MEKA	M	Cover for R/C	AD
1-3	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-4	JBTN-1096MEKA	M	Button, Power, Vol-up/down	AD
1-5	JBTN-1097MEKA	M	Button, Ch-up/down	AD
2	GCABB1120MEKA	M	Rear Cabinet (27K-S180)	AZ
2	GCABB1132MEKA	M	Rear Cabinet (CK27S18)	AZ
27K-S300, CK27S30				
1	CCABA1294MES0	M	Cabinet Ass'y, Front	BE
1-1	*Not Available*	–	Front Cabinet	—
1-2	GCOVA1033MEKA	M	Cover for R/C	AD
1-3	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-4	JBTN-1101MEKA	M	Button, Power, Vol-up/down	
1-5	JBTN-1102MEKA	M	Button, Ch-up/down	
2	GCABB1122MEKA	M	Rear Cabinet (27K-S300)	AZ
2	GCABB1131MEKA	M	Rear Cabinet (CK27S30)	AZ
27K-S400, CK27S40				
1	CCABA1295WES0	M	Cabinet Ass'y, Front	BE
1-1	*Not Available*	–	Front Cabinet	—
1-2	GCOVA1033MEKA	M	Cover for R/C	AD
1-3	HBDGB1009MESA	M	Badge, "SHARP"	AD
1-4	JBTN-1101MEKA	M	Button, Power, Vol-up/down	
1-5	JBTN-1102MEKA	M	Button, Ch-up/down	
2	GCABB1131MEKA	M	Rear Cabinet	AZ

CABINET PARTS LOCATION

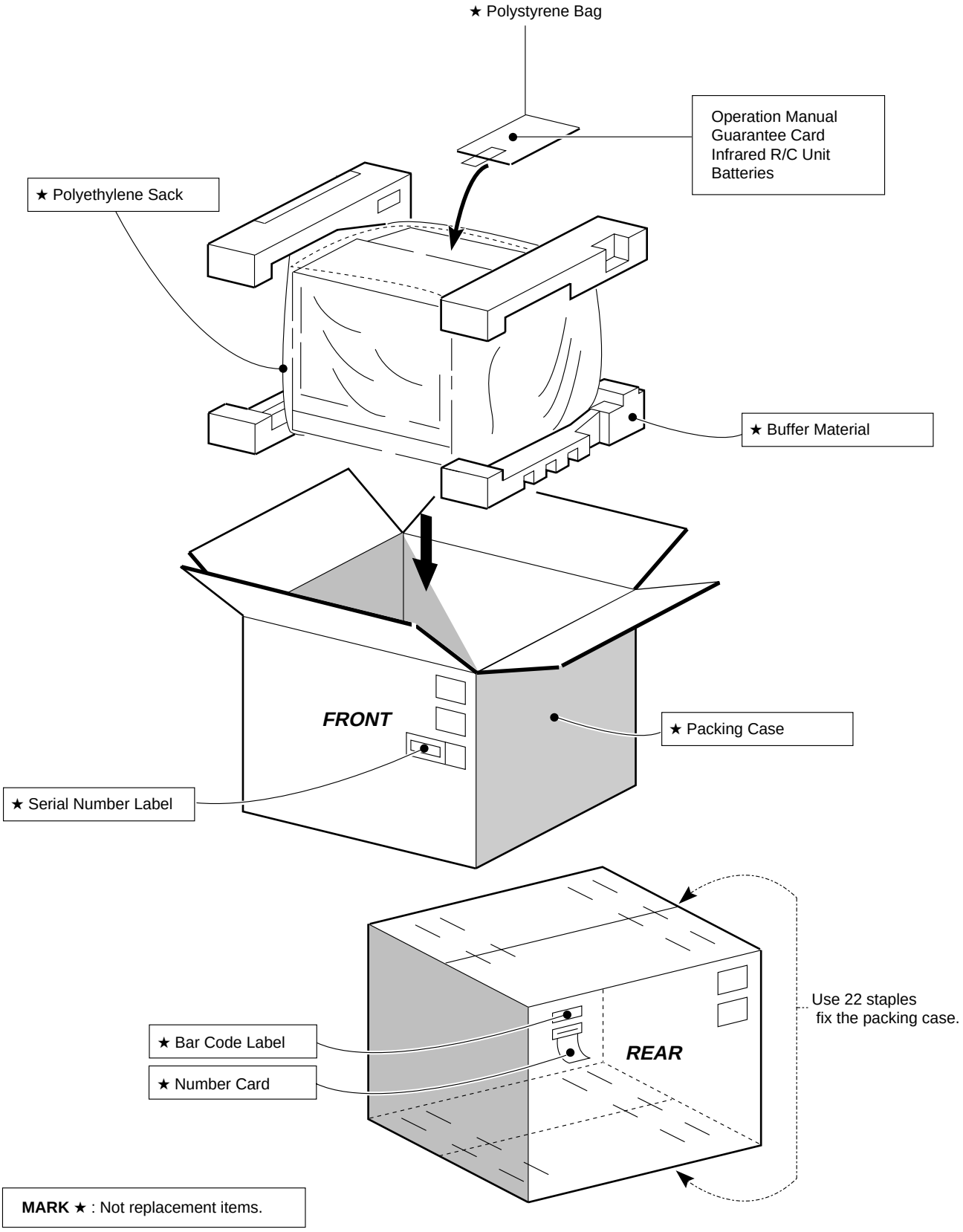


27K-S100/180
CK27S10/18



27K-S300/400
CK27S30/40

PACKING OF THE SET



MARK ★ : Not replacement items.

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